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faytech

Relies on **German Engineering** standards and combines that with attractively priced **Asian Manufacturing**. In combination with reliable **Local Service**, faytech offers one of the most interesting packages in the touch device industry.

Distributors in Europe, North America, Australia, Africa and Asia offer faytech products, which makes faytech a reliable global brand.

Support Hotlines:

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European Webshop:

b2b.faytech.de

Social Media:

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faytechTouchDevices
faytech AG
faytech_touch_devices
faytechTouchDevices
faytech Tech. Co., Ltd.

Website

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faytech, nice touch.

Product Catalogue

2019-2020

German Engineering | Asian Manufacturing | Local Service

History

faytech has its roots in Germany. Arne Weber, the founding manager of faytech, started to develop and market electronic devices in 2001. Later in 2006, the today called faytech AG started to import touch displays in Germany. And within three years, the German corporation became the leading touch device supplier in Germany in this niche.

Based on the early success, Fan Yang joined faytech. After that the management team moved to Shenzhen to start its own production facility in China. By doing this the company now combines German quality and development know-how together with Chinese sourcing and manufacturing competencies. In 2009, faytech Tech. Co., Ltd. was founded and Fan has been leading the company since then as a founding manager.

In 2010, faytech began to produce touch PCs in its own factory for the first time. Today all offered touch devices are solely designed and manufactured by faytech. produced on its own ISO 9001:2015 certified production lines, following strict German quality guidelines and expectations. faytech's marketing strategy is to deliver the best price/quality ratio in the industrial and B2B touch device market.

In 2013, a partnership was created and faytech North America was established in order to better support this market. Recently in 2018 with great demands for products in both India and Japan, offices were estabilised in these two markets. Recently by the end of 2018, due to the great demand of faytech products, the second factory was opened in Suining, China.

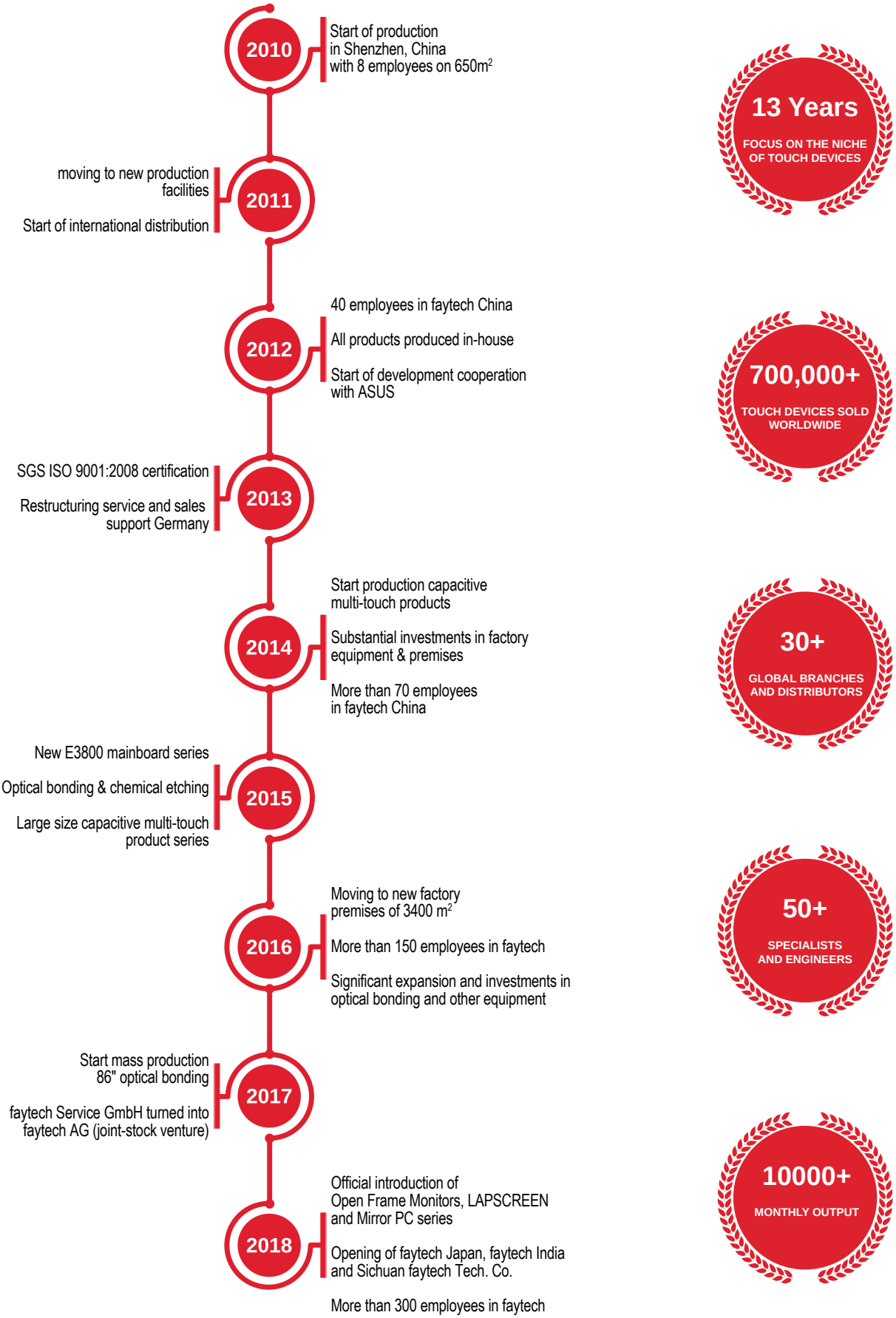
Quality

With strong Research & Development teams in both Germany and China, faytech has the abilitiy to develop and innovate new products, which ensures the products provided are always at the technical forefront. In addition to the SGS guided ISO 9001:2015 certification of both our production plants in China, faytech's products have certifications in order to comply with quality control on a global basis.

All of our products receive CE, FCC, CCC and RoHS certifications before being put into our product portfolio. Besides these certification a certain amount of products also comply with special automotive and medical directives, such as the E-Mark and EN 60601-1 Medical certificates.

Before any of faytech's products leave the factory the displays are tested several times and deemed to be completely operational and in perfect condition. With the ERP system currently in use, all productions ever made can be tracked back to its individual supplier and components, this ensures a complete overview of the entire supply chain.

Because of the complete quality control chain from material incoming inspection, production and testing, all the way to after-sales analysis, faytech can make reliable statements regarding their own product quality. With strong ERP systems and data gathering tools, all operations are constantly analyzed and the quality is steadily further improved.


2010
Start of production in Shenzhen, China with 8 employees on 650m²
2011
moving to new production facilities
Start of international distribution
2012
40 employees in faytech China
All products produced in-house
Start of development cooperation with ASUS
2013
SGS ISO 9001:2008 certification
Restructuring service and sales support Germany
2014
Start production capacitive multi-touch products
Substantial investments in factory equipment & premises
More than 70 employees in faytech China
2015
New E3800 mainboard series
Optical bonding & chemical etching
Large size capacitive multi-touch product series
2016
Moving to new factory premises of 3400 m²
More than 150 employees in faytech
Significant expansion and investments in optical bonding and other equipment
2017
Start mass production 86" optical bonding
faytech Service GmbH turned into faytech AG (joint-stock venture)
2018
Official introduction of Open Frame Monitors, LAPSCREEN and Mirror PC series
Opening of faytech Japan, faytech India and Sichuan faytech Tech. Co.
More than 300 employees in faytech
13 Years
FOCUS ON THE NICHE OF TOUCH DEVICES
700,000+
TOUCH DEVICES SOLD WORLDWIDE
30+
GLOBAL BRANCHES AND DISTRIBUTORS
50+
SPECIALISTS AND ENGINEERS
10000+
MONTHLY OUTPUT

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Contents

STANDARD IT PRODUCTS 07 - 48

Touch Monitors 08
- Capacitive Touch Monitors 08
- Open Frame Touch Monitors 13
- Resistive Touch Monitors 16
- IP65 High Brightness Touch Monitors 19

Touch PCs 23
- Capacitive Touch PCs 23
- Resistive Touch PCs 29
- IP65 High Brightness Touch PCs 33
- Embedded Touch PCs 37

Kiosks 43
- Standard Kiosk Monitors 45
- Special Kiosks 46

Docking Station 47
- Docking PCs 48
- Docking LCD Front Kit 49

Other 50
- Box PCs 51
- Mirror PCs 53
- Accessories 54

CONSUMER PRODUCTS 56 - 58

Monitors 56
- LAPSCREEN 56

EXPERTISE 58 - 66

faytech's Expertise 58
- Optical Bonding 59
- Display Quality 60
- Customizations 66

Standard IT Products

The **Standard IT Product** line focuses on faytech's extremely reliable, well-known and high quality products. The devices in this series are manufactured to meet the highest industrial quality standards and tested thoroughly to make sure it is in perfect condition before the product leaves the factory.

The products in this series all have obtained CE, FCC and RoHS certifications in order to reach a place within this product catalogue. Any other certifications can be obtained by request of the customer, such as for applications in medical and automotive. The monitors, PCs and Kiosks within this product line are used in applications worldwide such as in, but not limited to the following applications:

- **Control Panel for machine control**
- **POS in a supermarket**
- **Stand alone kiosk in an outdoor environment**
- **Digital signage monitor in a shopping mall**
- **Information display in public transportation**
- **Visualization device on robots or forklifts**

Products within this series can also be turned into a project and will be designed together with the customer in order to meet the exact demands. With the expertise of faytech and the control of the entire supply chain, we are able to be completely flexible in delivering customized products for you.

Capacitive Touch Monitors

faytech's Capacitive Touch Monitors have a modern sleek look with its flat edge to edge glass IP65 water- and dust proof front panels. This product line comes with capacitive 10-finger multitouch (40-finger for 84" device), glass front reaching MosH 7, the glass surface is anti-glare treated (chemical etched), a wide variety of connectors including USB-B for touch, HDMI, DVI-D, VGA and audio inputs, all lockable including the DC-In. The monitor between 13.3" and 21.5" come with their own desktop stand, and screw patterns on the back for VESA 100 mounts.

These devices are the perfect choice for a wide variety of applications including POS systems, control panels in industrial fields, in kiosk systems, office/residence automation, digital signage and in areas like shopping malls, classrooms, hotels and many more.

Product Name	7" Capacitive Touch Monitor	8" Capacitive Touch Monitor	10" Capacitive Touch Monitor	10.1" Capacitive Touch Monitor
Article Code	FT07TMBCAP	FT08TMBCAP	FT10TMBCAP	FT101TMBCAP
EAN Number	6920734007103	920734008100	6920734010103	6920734010141

LCD Panel	Screen diagonal (inch/cm)	7/17.78	8/20.32	9.7/24.64	10.1/25.65
	Display active screen (cm)	15.36×9.00	16.20×12.20	19.70×14.70	21.70×13.60
	Aspect ratio	16:9	4:3	4:3	16:10
	Physical resolution	1024×600	1024×768	1024×768	1280×800
	Maximum screen resolution	1920×1080	1920×1080	1920×1080	1920×1080
	Colors displayed	262K	16.7M	16.7M	262K
	Brightness (cd/m²)	500	250	250	350
	Contrast	700:1	700:1	800:1	800:1
	Typical reaction time Tr/Tf (ms)	10/15	6/14	10/15	10/15
	Viewing angle horizont./vertic. (°)	150/145	150/150	170/170	170/170
	Backlight lifetime (hours)	LED / 20,000	LED / 20,000	LED / 20,000	LED / 20,000

Operation	IP rating	IP65 Front / IP40 Back			
	Operating temperature (°C)	-10 ~ +60			
	Net weight (kg)	0.60	0.75	0.90	0.95
	Gross weight (kg)	1.80	2.00	2.20	2.25
	Housing material	Rubber front, plastic back case			
	Case size (cm)	19.56 × 13.76 × 3.75	20.10 × 16.05 × 3.57	24.43 × 19.52 × 4.15	27.60 × 19.20 × 3.35
	Mounting	VESA 75	VESA 75	VESA 75	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out			
	Working power (V)	12			
	Power consumption (W)	7	6	8	10

Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch
	Touch panel driver	Windows; Linux; Mac; Android
	Touch life (contacts)	Unlimited
	Surface hardness	7H
	Surface treatment	Anti-glare (chemical etched)

External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D
	Audio connector	1x PC-Audio
	Touch connector	1x USB touch
	Connector	1x 12V DC-In

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, VGA-, USB Touch-, Audio Cable

+60°C
-10°C

	Product Name	12.1" Capacitive Touch Monitor	13.3" Capacitive Touch Monitor	15" Capacitive Touch Monitor	15.6" Capacitive Touch Monitor
	Article Code	FT121TMBCAP	FT133TMBCAP	FT15TMBCAP	FT156TMBCAP
	EAN Number	6920734012107	6920734013104	6920734015146	6920734016105
LCD Panel	Screen diagonal (inch/cm)	12.1/30.73	13.3/33.78	15/38.10	15.6/39.6
	Display active screen (cm)	24.60×18.40	29.37×16.52	30.40×22.80	34.42×19.36
	Aspect ratio	4:3	16:9	4:3	16:9
	Physical resolution	1024×768	1920×1080	1024×768	1920×1080
	Maximum screen resolution	1920×1080	1920×1080	1920×1080	1920×1080
	Colors displayed	16.7M	16.7M	16.7M	262K
	Brightness (cd/m²)	500	350	300	250
	Contrast	700:1	700:1	700:1	500:1
	Typical reaction time Tr/Tf (ms)	25/10	14/11	8/12	15/15
	Viewing angle horizont./vertic. (°)	160/160	178/178	160/160	170/170
	Backlight lifetime (hours)	LED / 30,000	LED / 15,000	LED / 30,000	LED / 15,000
Operation	IP rating	IP65 Front / IP40 Back			
	Operating temperature (°C)	-10 ~ +60			
	Net weight (kg)	1.20	1.50	2.50	3.40
	Gross weight (kg)	2.40	2.70	3.95	4.65
	Housing material	Rubber front, plastic back case			
	Case size (cm)	30.86 × 23.91 × 3.78	34.76 × 21.91 × 3.15	35.20 x 27.60 x 6.20	38.93 × 24.68 × 3.45
	Mounting	VESA 75	VESA 100	VESA 100	VESA 100
Power	Power supply	100-240V ACDC active switching; 12V DC-Out			
	Working power (V)	12			
	Power consumption (W)	11	12	15	13
Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch			
	Touch panel driver	Windows; Linux; Mac; Android			
	Touch life (contacts)	Unlimited			
	Surface hardness	7H			
	Surface treatment	Anti-glare (chemical etched)			
External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D			
	Audio connector	1x PC-Audio			
	Touch connector	1x USB touch			
	Connector	1x 12V DC-In			

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, VGA-, USB Touch-, Audio Cable

CE FC VGA HDMI dvi digital visual interface +60°C -10°C

Product Name	17" Capacitive Touch Monitor	19" Capacitive Touch Monitor	21.5" Capacitive Touch Monitor
Article Code	FT17TMBCAP	FT19TMBCAP	FT215TMBCAP
EAN Number	6920734017102	6920734019106	6920734022144

LCD Panel	Screen diagonal (inch/cm)	17/43.18	19/48.26	47.70×26.80
	Display active screen (cm)	33.79×27.04	37.93×30.41	19.70×14.70
	Aspect ratio	5:4	5:4	16:9
	Physical resolution	1280×1024	1280×1024	1920×1080
	Maximum screen resolution	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M
	Brightness (cd/m²)	250	250	250
	Contrast	1000:1	1000:1	1000:1
	Typical reaction time Tr/Tf (ms)	3.8/1.2	1.5/3.5	1.5/3.5
	Viewing angle horizont./vertic. (°)	170/160	170/160	170/160
	Backlight lifetime (hours)	LED / 30,000	LED / 40,000	LED / 40,000

Operation	IP rating	IP65 Front / IP40 Back		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	5.10	7.10	7.30
	Gross weight (kg)	6.10	8.10	8.30
	Housing material	Rubber front, Plastic back case		
	Case size (cm)	38.06 × 31.30 × 4.45	43.85 × 36.35 × 4.47	52.73 × 32.39 × 4.60
	Mounting	VESA 100	VESA 100	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out		
	Working power (V)	12		
	Power consumption (W)	15	17	22

Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch
	Touch panel driver	Windows; Linux; Mac; Android
	Touch life (contacts)	Unlimited
	Surface hardness	7H
	Surface treatment	Anti-glare (chemical etched)

External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D
	Audio connector	1x PC-Audio
	Touch connector	1x USB touch
	Connector	1x 12V DC-In

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, VGA-, USB Touch-, Audio Cable

CE FC VGA HDMI dvi digital visual interface +60°C -10°C

	Product Name	32" Capacitive Touch Monitor	43" Capacitive Touch Monitor	55" Capacitive Touch Monitor
	Article Code	FT32TMBCAPOB	FT43TMBCAPOB	FT55TMBCAPOB
	EAN Number	6920734032105	6920734043104	6920734055104
LCD Panel	Screen diagonal (inch/cm)	31.5/80.01	43/109.22	55/138.80
	Display active screen (cm)	69.84×39.29	94.27×53.12	121.00×68.00
	Aspect ratio	16:9	16:9	16:9
	Physical resolution	1920×1080	1920×1080	1920×1080
	Maximum screen resolution	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M
	Brightness (cd/m²)	350	400	350
	Contrast	3000:1	3000:1	1400:1
	Typical reaction time Tr/Tf (ms)	6/1	8/8	6/8
	Viewing angle horizont./vertic. (°)	178/178	178/178	178/178
	Backlight lifetime (hours)	LED / 40,000	LED / 30,000	LED / 50,000
Operation	IP rating	IP65 Front / IP40 Back		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	16.80	29.00	39.50
	Gross weight (kg)	27.00	38.00	49.50
	Housing material	Aluminum		
	Case size (cm)	76.96 × 47.11 × 5.82	103.10 × 61.95 × 6.57	126.80 × 74.10 × 6.60
	Mounting	VESA 400×300	VESA 400	VESA 400
Power	Power supply	100-240V ACDC active switching; 24V DC-Out		
	Working power (V)	24		
	Power consumption (W)	65	85	125
Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch		
	Touch panel driver	Windows; Linux; Mac; Android		
	Touch life (contacts)	Unlimited		
	Surface hardness	7H		
	Surface treatment	Anti-glare (chemical etched)		
External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D		
	Audio connector	1x PC-Audio		
	Touch connector	1x USB touch		
	Connector	1x 24V DC-In		

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, HDMI-, USB Touch Cable

CE FC VGA HDMI dvi digital visual interface +60°C -10°C

Open Frame Capacitive Touch Monitors

faytech's Open Frame Capacitive Touch Monitors are the perfect choice for industrial and business applications. The capacitive 10-finger multitouch panel brings an easy using experience for a wide range of applications. Each model in this series is built for reliable and extended service with energy efficient LED technology. It is equipped with a wide range of standard connectors, such as HDMI, DVI, VGA, USB-Touch, serial and DC-In.

This device has an optically bonded touch panel, which will improve the stability, reduce the reflection, increase the viewing angle, and enhance the perceived brightness. It also provides resistance to dust particles and shows a better image in general. This open frame version is a light weight model without any back case, which makes it perfect for integrating into your own system or mount at different locations. On top of that, the price will be more economic, because less parts are needed. It is the perfect interactive solution for digital signage, classrooms, meeting rooms, industrial automation, shopping malls, hotels and many other areas.

Open Frame Capacitive Touch Monitors

Product Name	7" Open Frame Capacitive Touch Monitor	11.6" Open Frame Capacitive Touch Monitor	15" Open Frame Capacitive Touch Monitor	15.6" Open Frame Capacitive Touch Monitor
Article Code	FT07HDKTMCAPHBOB	FT116HDKTMBHBCAPOB	FT15HDKTMHBCAPOB	FT156HDKTMHBCAPOB
EAN Number	6920734007158	6920734011605	6920734015016	...

LCD Panel	Screen diagonal (inch/cm)	7/17.78	11.6/29.46	15/38.1	15.6/39.6
	Display active screen (cm)	15.42×8.59	25.63×14.42	30.4×22.8	34.42×19.36
	Aspect ratio	16:9	16:9	4:3	16:9
	Physical resolution	1024×600	1920×1080	1024×768	1920×1080
	Maximum screen resolution	1920×1200	1920×1200	1920×1200	1920×1080
	Colors displayed	262K	16.7M	16.7M	262K
	Brightness (cd/m²)	1000	1000	1000	1000
	Contrast	800:1	800:1	700:1	800:1
	Typical reaction time Tr/Tf (ms)	10/12	14/11	8/12	15/15
	Viewing angle horizont./vertic. (°)	150/145	178/178	160/160	170/170
	Backlight lifetime (hours)	LED / 30,000	LED / 100,000	LED / 100,000	LED / 100,000
Operation	IP rating	IP65 Front / IP40 Back			
	Operating temperature (°C)	-10 ~ +60			
	Net weight (kg)	0.50	2.00	3.00	3.30
	Gross weight (kg)	1.10	3.70	5.00	5.30
	Housing material (open frame)	Steel (zinc-coated)			
	Case size (cm)	21.00 × 14.45 × 4.30	29.71 × 19.40 × 4.03	36.20 × 28.60 × 4.98	40.00 × 25.00 × 4.01
	Mounting	VESA 100	VESA 100	VESA 100	VESA 100
Power	Power supply	100-240V ACDC active switching; 12V DC-Out			
	Working power (V)	12			
	Power consumption (W)	10	12	15	17
Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch (optically bonded)			
	Touch panel driver	Windows; Linux; Mac; Android			
	Touch life (contacts)	Unlimited			
	Surface hardness	7H			
	Surface treatment	Anti-glare (chemical etched)			
External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D			
	Audio connector	1x PC-Audio			
	Touch connector	1x USB touch			
	Connectors	1x Serial 1x 12V DC-In			

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, HDMI Cable, USB-Touch Cable

HIGH BRIGHTNESS

100k hours Backlight

VGA

HDMI

dvi digital visual interface

+60°C

-10°C

Product Name	21.5" Open Frame Capacitive Touch Monitor	32" Open Frame Capacitive Touch Monitor	43" Open Frame Capacitive Touch Monitor	55" Open Frame Capacitive 4K Touch Monitor
Article Code	FT07HDKTMCAPHBOB	FT32TMHDKOBHB	FT43TMHDKOBHB	FT55HDKTMCAPHBOB4K
EAN Number	6920734022120	6920734032129	6920734043125	...

LCD Panel	Screen diagonal (inch/cm)	21.5/54.69	31.5/80.01	42.5/107.95	55/138.80
	Display active screen (cm)	47.70×26.80	69.84×39.29	94.09×52.92	122.36×68.04
	Aspect ratio	16:9	16:9	16:9	16:9
	Physical resolution	1920×1080	1920×1080	1920×1080	3840×2160
	Maximum screen resolution	1920×1200	1920×1080	1920×1080	3840×2160
	Colors displayed	16.7M	16.7M	16.7M	1.07 billion
	Brightness (cd/m²)	1000	1000	1000	1000
	Contrast	1000:1	3000:1	3000:1	4000:1
	Typical reaction time Tr/Tf (ms)	7/7	6/6	4/4	8/1
	Viewing angle horizont./vertic. (°)	178/178	178/178	178/178	178/178
	Backlight lifetime (hours)	LED / 100,000	LED / 100,000	LED / 100,000	LED / 100,000

Operation	IP rating	IP65 Front / IP40 Back			
	Operating temperature (°C)	-10 ~ +60			
	Net weight (kg)	5.00	12.00	23.00	42.20
	Gross weight (kg)	7.30	25.00	35.00	55.60
	Housing material (open frame)	Steel (zinc-coated)			
	Case size (cm)	52.78 × 33.29 × 5.20	75.70 × 46.40 × 6.39	102.00 × 60.85 × 6.41	128.50 × 77.00 × 10.16
	Mounting	VESA 100	VESA 200	VESA 400	VESA 400

Power	Power supply	100-240V ACDC active switching; 12V DC-Out	100-240V ACDC active switching; 24V DC-Out		
	Working power (V)	12	24		
	Power consumption (W)	28	65	96	145

Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch (optically bonded)
	Touch panel driver	Windows; Linux; Mac; Android
	Touch life (contacts)	Unlimited
	Surface hardness	7H
	Surface treatment	Anti-glare (chemical etched)

External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D	1x HDMI 2.0, 2x HDMI 1.4 1x VGA 1x DVI-D 1x DP
	Audio connector	1x PC-Audio	1x PC-Audio	1x Mic-In, 1x Ear-Out
	Touch connector	1x USB touch	1x USB touch	1x USB touch
	Connectors	1x Serial 1x 12V DC-In	1x Serial 1x 24V DC-In	1x Serial, 1x RJ11 1x 24V DC-In

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, HDMI Cable, USB-Touch Cable

HIGH BRIGHTNESS · 100k hours Backlight · VGA · HDMI · dvi digital visual interface · +60°C -10°C

Resistive Touch Monitors

faytech's Resistive Touch Monitors make your working process easier and more efficient. These monitors are packed with features and connectors that make them perfect for any industrial or commercial application. Each Touch Monitor is produced using an industrial LCD panel with back lighting (20,000 – 30,000 hour lifespan), 4- or 5-wire resistive touch and anti-glare coating to enhance the user's experience. All these devices are wall mountable or can be stationed anywhere with the high-quality stand.

• The 7 - 10" Monitors have extended current input (8-36V), VGA + HDMI ports, three video inputs, extended temperature range
• The 15 - 19" Monitors have VGA and DVI-D connectors, with additional S-Video and HDMI connections added to the 22" version

This product line is the perfect choice for a wide variety of applications including use in POS systems, as control panels in the industrial area, in kiosk systems, for machine control, in the office and in many other fields.

Product Name	7" Resistive Touch Monitor	8" Resistive Touch Monitor	10" Resistive Touch Monitor
Article Code	FT07TMB	FT08TMB	FT10TMB
EAN Number	6920734007110	6920734008117	6920734010110

LCD Panel	Screen diagonal (inch/cm)	7/17.78	8/20.32	9.7/24.64
	Display active screen (cm)	15.36×9.00	16.20×12.20	26.10×16.30
	Aspect ratio	16:9	4:3	16:10
	Physical resolution	1024×600	1024×768	1280×800
	Maximum screen resolution	1920×1080	1920×1080	1920×1200
	Colors displayed	262K	16.7M	262K
	Brightness (cd/m²)	500	250	300
	Contrast	700:1	700:1	600:1
	Typical reaction time Tr/Tf (ms)	10/15	6/14	12/13
	Viewing angle horizont./vertic. (°)	150/145	150/150	178/178
	Backlight lifetime (hours)	LED / 20,000	LED / 20,000	LED / 20,000

Operation	IP rating	IP40		
	Operating temperature (°C)	-25 ~ +75		
	Net weight (kg)	0.60	0.80	1.20
	Gross weight (kg)	1.80	2.05	2.20
	Housing material	Plastic case		
	Case size (cm)	17.90 × 12.30 × 3.20	19.80 × 16.80 × 3.96	23.50 × 20.20 × 3.51
	Mounting	VESA 75	VESA 75	VESA 75

Power	Power supply	100-240V ACDC active switching; 12V DC-Out		
	Working power (V)	8~36		
	Power consumption (W)	7	6	8

Touch Panel	Touch technology	4-Wire Resistive
	Touch panel driver	Windows; Linux; Mac; Android
	Touch life (contacts)	1 million touch in 1 location
	Surface hardness	3H
	Surface treatment	Anti-glare

External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x Video2 Backview	1x Backview-Detect 1x Video1	1x VGA 1x YpbPr
	Audio connectors	1x VGA-audio 1x Video-audio 1x Earphone-Out		
	Touch connectors	1x USB touch 1x Serial		
	Connectors	1x 8~36V DC-In 1x USB		

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, VGA-, USB Touch Cable, Stylus
Remote Controller, Car adapter, Plastic Stand, Mounting Frame, Mounting Rail, Cable Cover

EXTENDED 8 - 36 V VOLTAGE

+75°C
-25°C

Product Name	15" Resistive Touch Monitor	17" Resistive Touch Monitor	19" Resistive Touch Monitor
Article Code	FT15TMB	FT17TMB	FT19TMB
EAN Number	6920734015115	6920734017119	6920734019113

LCD Panel	Screen diagonal (inch/cm)	15/38.10	17/43.18	19/48.26
	Display active screen (cm)	30.40×22.80	33.79×27.04	41.22×25.91
	Aspect ratio	4:3	5:4	16:10
	Physical resolution	1280×768	1280×1024	1440×900
	Maximum screen resolution	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M
	Brightness (cd/m²)	300	250	250
	Contrast	700:1	1000:1	1000:1
	Typical reaction time Tr/Tf (ms)	8/12	3.8/1.2	1.5/3.5
	Viewing angle horizont./vertic. (°)	160/160	170/160	170/160
	Backlight lifetime (hours)	LED / 30,000	LED / 30,000	LED / 30,000

Operation	IP rating	IP40		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	3.00	4.85	5.00
	Gross weight (kg)	1.80	5.85	6.60
	Housing material	Aluminum		
	Case size (cm)	37.00 × 28.70 × 5.50	38.00 × 30.80 × 5.25	44.80 × 29.00 × 5.30
	Mounting	VESA 100	VESA 100	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out		
	Working power (V)	12		
	Power consumption (W)	15	17	19

Touch Panel	Touch technology	5-Wire Resistive
	Touch panel driver	Windows; Linux; Mac; Android
	Touch life (contacts)	10 million touch in 1 location
	Surface hardness	3H
	Surface treatment	Anti-glare

External Connectors	Video connectors	1x VGA 1x DVI-D
	Audio connectors	1x Audio-In
	Touch connector	1x USB Touch 1x Serial
	Connector	1x 12V DC-In

*** Included in the delivery**
Power supply (see power section), Short Installation Manual
VGA-, USB Touch-, Audio Cable, Stylus, Standard Stand

CE FC VGA HDMI EXTENDED 8 - 36 V VOLTAGE +75°C -25°C

IP65 High Brightness Touch Monitors

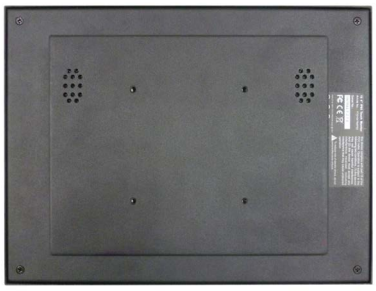
For industrial and outdoor applications in harsh environments, faytech provides IP65 High Brightness Touch Monitors, which are the perfect solution for such applications.

Advantages:
- Increased brightness (1000+ cd/m²)
- Complete IP65 protection (dust- and waterproof)
- All-in-one cable solution, with VGA or HDMI video connection, USB for Touch and a 8-36V power supply.

The case of the device consists of a robust, sealed aluminum enclose, with on the front two buttons to adjust the brightness (with 5 available levels). On the back of the device are fixation holes for either VESA 75 or VESA 100 mounting, which ensures solid fixation in any environment.

Available customizations:
- All-in-one cable, e.g. VGA, HDMI, Video, DVI, S-Video, Audio, Power supply, Voltage, USB or Serial for touch.
- Case color, logo's, housing and fixation
- Rail and/or VESA 75, VESA 100 on the back

Genua 2
Out
Main
In
Main
Out
BILGE PUMPS
FWD
MID
AFT
Javaëiland
IJ-haven
Dijksgracht
Raytheon
AUTOPILOT
disp
standby
-1
+1
track
-10
+10
auto



Product Name		7" IP65 HB Resistive Touch Monitor	8" IP65 HB Resistive Touch Monitor	10" IP65 Resistive Touch Monitor	10.4" IP65 HB Resistive Touch Monitor
VGA version	Article Code	FT07TMIP65HB	FT08TMIP65HB	FT10TMIP65	FT104TMIP65HB
	EAN Number	6920734007219	6920734008216	6920734010219	6920734010240
HDMI version	Article Code	FT07TMIP65HBHDMI	FT08TMIP65HBHDMI	FT10TMIP65HDMI	FT104TMIP65HBHDMI
	EAN Number	6920734007226	6920734008223	6920734010226	6920734010233

LCD Panel	Screen diagonal (inch/cm)	7/17.78	8/20.32	9.7/24.64	10.4/26.42
	Display active screen (cm)	15.36×9.00	16.20×12.20	19.70×14.70	21.12×15.84
	Aspect ratio	16:9	4:3	4:3	4:3
	Physical resolution	1024×600	1024×768	1024×768	1024×768
	Maximum screen resolution	1920×1080	1920×1080	1920×1080	1920×1080
	Colors displayed	262K	16.7M	16.7M	262K
	Brightness (cd/m²)	1000+	1000+	350	1000+
	Contrast	700:1	700:1	800:1	500:1
	Typical reaction time Tr/Tf (ms)	10/15	6/14	10/15	12.5/12.5
	Viewing angle horizont./vertic. (°)	150/145	150/150	170/170	140/120
	Backlight lifetime (hours)	LED / 40,000	LED / 40,000	LED / 20,000	LED / 40,000

Operation	IP rating	IP65			
	Operating temperature (°C)	-25 ~ +75			
	Net weight (kg)	1.10	1.50	1.80	1.80
	Gross weight (kg)	2.10	2.30	2.50	2.60
	Housing material	Aluminum			
	Case size (cm)	21.40 × 13.40 × 3.85	23.20 × 17.20 × 3.95	25.72 × 19.64 × 3.95	27.62 × 20.94 × 4.25
	Mounting	VESA 75	VESA 75	VESA 75	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out			
	Working power (V)	8~36			
	Power consumption (W)	10	12	8	18

Touch Panel	Touch technology	4-Wire Resistive	5-Wire Resistive
	Touch panel driver	Windows; Linux; Mac; Android	
	Touch life (contacts)	1 million in 1 location without failure	10 million in 1 location without failure
	Surface hardness	3H	
	Surface treatment	Anti-glare	

External Connectors	All-In-One Cable HDMI version	1x VGA, 1x Video-In (RCA, AV), 2x Audio-In (R/W) 1x USB-Touch 1x 8-36V DC-In
	All-In-One Cable VGA version	1x HDMI 1x USB-Touch 1x 8-36V DC-In

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, All-In-One cable (VGA or HDMI), Stylus, Remote Controller

IP65

HIGH BRIGHTNESS

EXTENDED 8 - 36V VOLTAGE

VGA

HDMI

+75°C

-25°C

IP65 High Brightness Touch Monitors

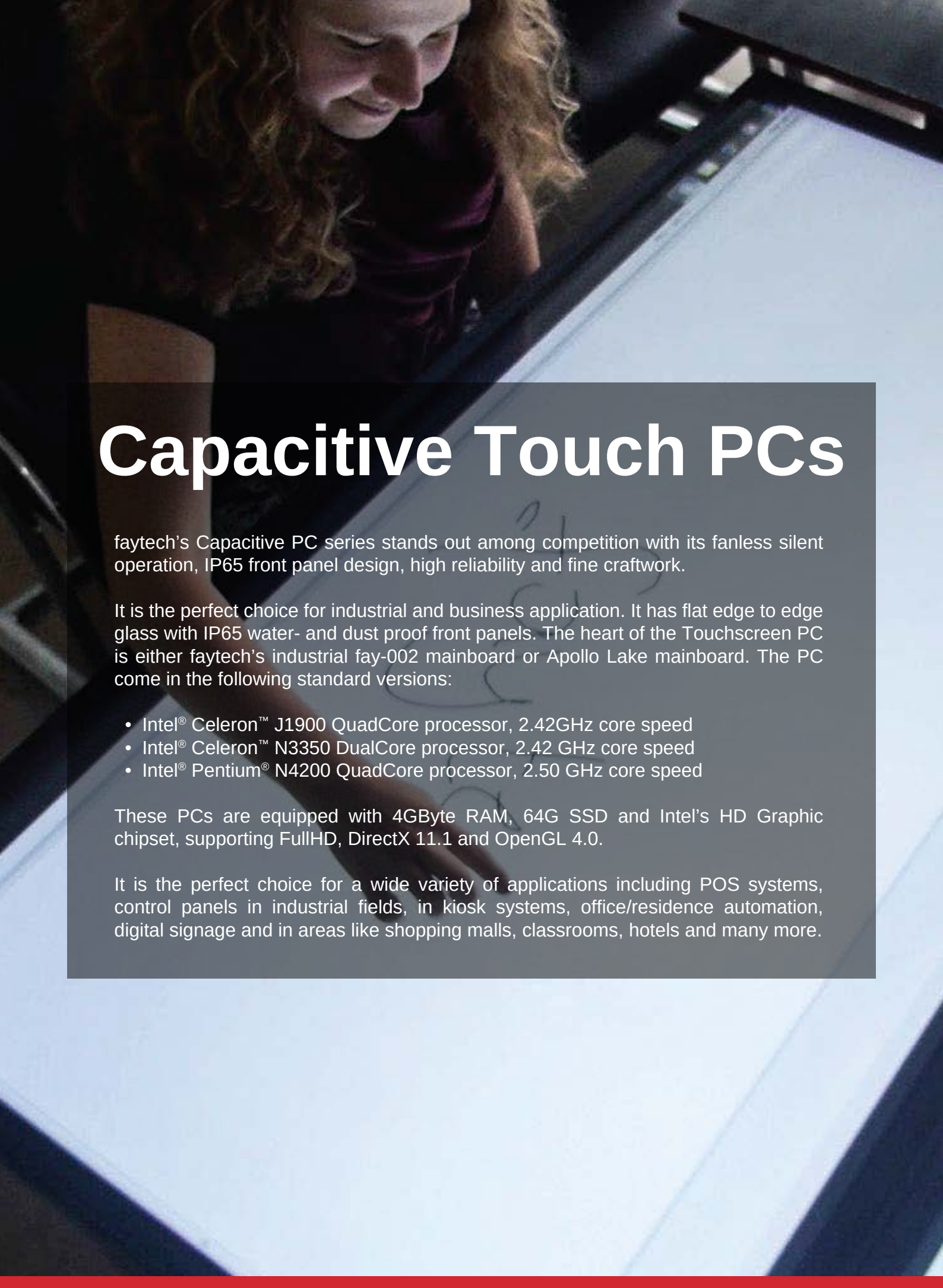
Product Name		12.1" IP65 HB Resistive Touch Monitor	15" IP65 HB Resistive Touch Monitor	12.1" IP65 HB Capacitive Touch Monitor	15" IP65 HB Capacitive Touch Monitor
VGA version	Article Code	FT121TMIP65HB	FT15TMIP65HB	FT121TMIP65CAPVGA	-
	EAN Number	6920734012213	6920734015214	6920734012138	-
HDMI version	Article Code	FT121TMIP65HBHDMI	FT15TMIP65HBHDMI	FT121TMIP65HBCAPHDMI	FT15TMIP65CAPHBOB
	EAN Number	6920734012206	6920734015207	6920734012138	6920734015023

LCD Panel	Screen diagonal (inch/cm)	12.1/30.73	15/38.10	12.1/30.73	15/38.10
	Display active screen (cm)	24.60×18.40	30.40×22.80	24.60×18.40	30.40×22.80
	Aspect ratio	4:3	4:3	4:3	4:3
	Physical resolution	1024×768	1024×768	1024×768	1024×768
	Maximum screen resolution	1920×1080	1920×1080	1920×1080	1920×1080
	Colors displayed	16.7M	16.7M	16.7M	16.7M
	Brightness (cd/m²)	1000+	1000+	1000+	1000+
	Contrast	700:1	700:1	700:1	700:1
	Typical reaction time Tr/Tf (ms)	25/10	8/12	25/10	8/12
	Viewing angle horizont./vertic. (°)	160/160	160/160	160/160	160/160
	Backlight lifetime (hours)	LED / 40,000	LED / 40,000	LED / 40,000	LED / 30,000
Operation	IP rating	IP65			
	Operating temperature (°C)	-25 ~ +75			
	Net weight (kg)	2.60	3.40	1.50	3.00
	Gross weight (kg)	3.10	5.00	3.00	4.50
	Housing material	Aluminum	Aluminum	Rubber front, plastic back case	Aluminum
	Case size (cm)	30.60 × 24.40 × 4.25	37.50 × 28.70 × 4.55	30.86 × 23.91 × 4.83	38.94 × 31.34 × 4.80
	Mounting	VESA 100	VESA 100	VESA 100	VESA 100
Power	Power supply	100-240V ACDC active switching; 12V DC-Out			
	Working power (V)	8~36			
	Power consumption (W)	20	24	20	24
Touch Panel	Touch technology	4-Wire Resistive		Projected Capacitive 10-Point Multitouch	
	Touch panel driver	Windows; Linux; Mac; Android			
	Touch life (contacts)	10 million in 1 location without failure		Unlimited	
	Surface hardness	3H		7H	
	Surface treatment	Anti-glare		Anti-glare (chemical etched)	
External Connectors	All-In-One Cable VGA version	1x VGA, 1x Video-In (RCA, AV), 2x Audio-In (R/W) 1x USB-Touch 1x 8-36V DC-In		-	
	All-In-One Cable HDMI version	1x HDMI 1x USB-Touch 1x 8-36V DC-In			

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, All-In-One cable (VGA or HDMI), Resistive touch versions also include: Stylus, Remote Controller

IP65 HIGH BRIGHTNESS EXTENDED 8 - 36V VOLTAGE VGA HDMI +75°C -25°C



Capacitive Touch PCs

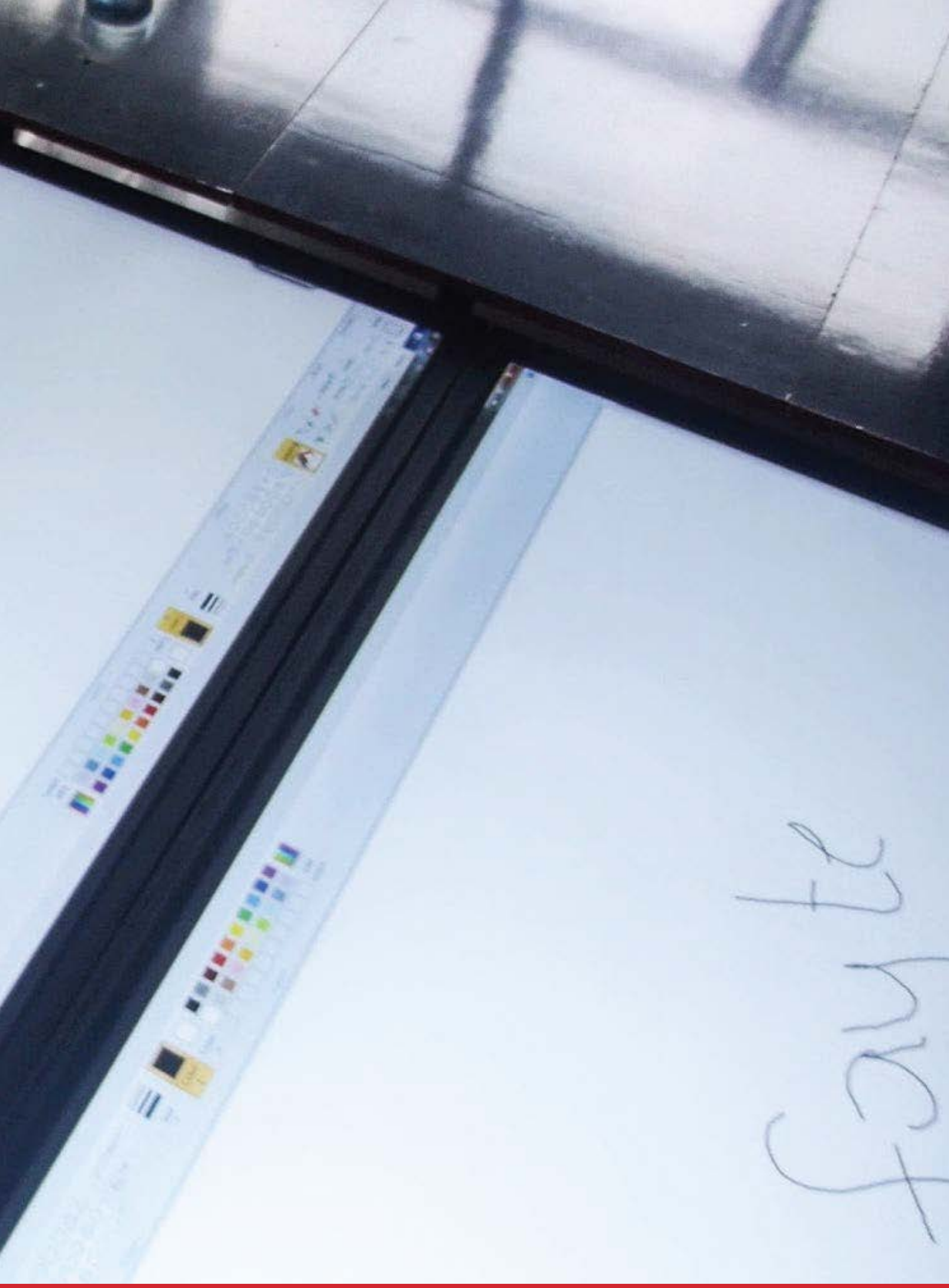
faytech's Capacitive PC series stands out among competition with its fanless silent operation, IP65 front panel design, high reliability and fine craftwork.

It is the perfect choice for industrial and business application. It has flat edge to edge glass with IP65 water- and dust proof front panels. The heart of the Touchscreen PC is either faytech's industrial fay-002 mainboard or Apollo Lake mainboard. The PC come in the following standard versions:

- Intel® Celeron™ J1900 QuadCore processor, 2.42GHz core speed
- Intel® Celeron™ N3350 DualCore processor, 2.42 GHz core speed
- Intel® Pentium® N4200 QuadCore processor, 2.50 GHz core speed

These PCs are equipped with 4GByte RAM, 64G SSD and Intel's HD Graphic chipset, supporting FullHD, DirectX 11.1 and OpenGL 4.0.

It is the perfect choice for a wide variety of applications including POS systems, control panels in industrial fields, in kiosk systems, office/residence automation, digital signage and in areas like shopping malls, classrooms, hotels and many more.



	Product Name	7" Capacitive Touch PC	8" Capacitive Touch PC	10" Capacitive Touch PC	10.1" Capacitive Touch PC
	Article Code	FT07N2807W4G64GCAP	FT08N2807W4G64GCAP	FT10J1900W4G64GCAP	FT101J1900W4G64GCAP
	EAN Number	6920734007530	6920734008537	6920734010585	6920734010561
LCD Panel	Screen diagonal (inch/cm)	7/17.78	8/20.32	9.7/24.64	10.1/25.65
	Display active screen (cm)	15.36×9.00	16.20×12.20	19.70×14.70	21.70×13.60
	Aspect ratio	16:9	4:3	4:3	16:10
	Physical resolution	1024×600	1024×768	1024×768	1280×800
	External maximum resolution	1920×1200	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M	16.7M
	Brightness (cd/m²)	500	250	350	350
	Contrast	700:1	700:1	800:1	800:1
	Typical reaction time Tr/Tf (ms)	10/15	6/14	10/15	10/15
	Viewing angle horizont./vertic. (°)	150/145	150/150	170/170	170/170
	Backlight lifetime (hours)	LED / 20,000	LED / 20,000	LED / 20,000	LED / 20,000
PC System	CPU / Chipset	Intel® Celeron™ DualCore N2807 / Intel® E3800		Intel® Celeron™ QuadCore J1900 / Intel® E3800	
	Memory / Storage	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD			
	Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A			
	Network	2x Realtek PCIe GB LAN 8111G; W-LAN			
	Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu			
Operation	IP rating	IP65 Front / IP40 Back			
	Operating temperature (°C)	-10 ~ +60			
	Net weight (kg)	2.30	2.40	2.00	2.00
	Gross weight (kg)	2.60	2.70	2.90	2.90
	Housing material	Rubber front, aluminum IPC back case			
	Case size (cm)	19.56 × 13.76 × 4.85	20.10 × 16.05 × 4.67	24.43 × 19.52 × 5.25	27.60 × 19.20 × 4.95
	Mounting	VESA 100	VESA 100	VESA 100	VESA 100
Power	Power supply	100-240V ACDC active switching; 12V DC-Out			
	Working power (V)	12			
	Power consumption (W)	15	14	14	14
Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch			
	Touch connector	USB			
	Touch life (contacts)	Unlimited			
	Surface hardness	7H			
	Surface treatment	-		Anti-glare (chemical etched)	
External Connectors	External connectors	1x DisplayPort 1x Mic-In & Ear-Out 2x 10/100/1000Mbit RJ45 Ports 3x COM port Full-PIN (RS232/485; 5V/12V) 1x USB 3, 3x USB 2.0 ports 2x W-LAN Connectors 1x 12V DC-In (screwable)		**See left column plus:** 1x VGA-out (from internal header) 2x COM port 3-PIN (RX, TX, GND; RS232/485 switchable) 1x 2.5" module slot, changeable SSD included 1x S/PDIF-Out (1x Cinch, 1x Torx module) 8x In/Out GPIO as RJ45	
	Expansion slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable)		**See left column plus:** 1x PCIeX1 Straddle Connector	

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, W-LAN Antenna

10" + 10.1" also include: Standard Stand

	Product Name	12.1" Capacitive Touch PC	13.3" Capacitive Touch PC	15" Capacitive Touch PC	15.6" Capacitive Touch PC
	Article Code	FT12J1900W4G64GCAP	FT133J1900W4G64GCAP	FT15J1900W4G64GCAP	FT156J1900W4G64GCAP
	EAN Number	6920734012534	6920734013517	6920734015559	6920734016501
LCD Panel	Screen diagonal (inch/cm)	12.1/30.73	13.3/33.78	15/38.10	15.6/39.6
	Display active screen (cm)	24.60×18.40	29.37×16.52	30.40×22.80	34.42×19.36
	Aspect ratio	4:3	16:9	4:3	16:9
	Physical resolution	1024×768	1920×1080	1024×768	1920×1080
	External maximum resolution	1920×1200	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M	262K
	Brightness (cd/m²)	500	350	300	250
	Contrast	700:1	700:1	700:1	800:1
	Typical reaction time Tr/Tf (ms)	25/10	14/11	8/12	15/15
	Viewing angle horizont./vertic. (°)	160/160	178/178	160/160	170/170
	Backlight lifetime (hours)	LED / 30,000	LED / min. 15,000	LED / 30,000	LED / min. 15,000
PC System	CPU / Chipset	Intel® Celeron™ QuadCore J1900 / Intel® E3800			
	Memory / Storage	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD			
	Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A			
	Network	2x Realtek PCIe GB LAN 8111G; W-LAN			
	Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu			
Operation	IP rating	IP65 Front / IP40 Back			
	Operating temperature (°C)	-10 ~ +60			
	Net weight (kg)	3.50	3.60	3.80	4.20
	Gross weight (kg)	5.50	5.60	5.70	6.10
	Housing material	Rubber front, aluminum IPC back case			
	Case size (cm)	30.86 × 23.91 × 5.38	34.76 × 21.91 × 4.75	35.16 × 27.56 × 6.15	38.98 × 24.18 × 5.70
	Mounting	VESA 100	VESA 100	VESA 100	VESA 100
Power	Power supply	100-240V ACDC active switching; 12V DC-Out			
	Working power (V)	12			
	Power consumption (W)	15	15	17	16
Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch			
	Touch connector	USB			
	Touch life (contacts)	Unlimited			
	Surface hardness	7H			
	Surface treatment	Anti-glare (chemical etched)			
External Connectors	External connectors	2x COM port 3-PIN (RX, TX, GND; RS232/485 switchable) 1x 2.5" module slot, changeable SSD included 3x COM port Full-PIN (RS232/485; 5V/12V) 1x S/PDIF-Out (1x Cinch, 1x Torx module)	1x VGA-out (from internal header) 2x 10/100/1000Mbit RJ45 Ports 1x USB 3, 3x USB 2.0 ports 1x 12V DC-In (screwable)	8x In/Out GPIO as RJ45 2x W-LAN Connectors 1x Mic-In & Ear-Out 1x DisplayPort	
	Expansion slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector			

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, W-LAN Antenna, Standard Stand

Product Name	17" Capacitive Touch PC	19" Capacitive Touch PC	21.5" Capacitive Touch PC
Article Code	FT17J1900W4G64GCAP	FT19J1900W4G64GCAP	FT215J1900W4G64GCAP
EAN Number	6920734017553	6920734019106	6920734022144

LCD Panel	Screen diagonal (inch/cm)	17/43.18	19/48.26	47.70×26.80
	Display active screen (cm)	33.79×27.04	37.93×30.41	19.70×14.70
	Aspect ratio	5:4	5:4	16:9
	Physical resolution	1280×1024	1280×1024	1920×1080
	External maximum resolution	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M
	Brightness (cd/m²)	250	250	250
	Contrast	1000:1	1000:1	1000:1
	Typical reaction time Tr/Tf (ms)	3.8/1.2	1.5/3.5	1.5/3.5
	Viewing angle horizont./vertic. (°)	170/160	170/160	170/160
	Backlight lifetime (hours)	LED / 30,000	LED / 40,000	LED / 40,000

PC System	CPU / Chipset	Intel® Celeron™ QuadCore J1900 / Intel® E3800
	Memory / Storage	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD
	Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A
	Network	2x Realtek PCIe GB LAN 8111G; W-LAN
	Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu

Operation	IP rating	IP65 Front / IP40 Back		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	4.05	5.15	6.80
	Gross weight (kg)	5.75	6.70	8.55
	Housing material	Rubber front, aluminum IPC back case		
	Case size (cm)	38.06 × 31.30 × 6.05	36.35 × 43.85 × 6.07	52.73 × 32.39 × 5.80
	Mounting	VESA 100	VESA 100	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out		
	Working power (V)	12		
	Power consumption (W)	17	34	24

Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch
	Touch connector	USB
	Touch life (contacts)	Unlimited
	Surface hardness	7H
	Surface treatment	Anti-glare (chemical etched)

External Connectors	External connectors	2x COM port 3-PIN (RX, TX, GND; RS232/485 switchable) 1x 2.5" module slot, changeable SSD included 3x COM port Full-PIN (RS232/485; 5V/12V) 1x S/PDIF-Out (1x Cinch, 1x Torx module) 1x VGA-out (from internal header) 2x 10/100/1000Mbit RJ45 Ports 1x USB 3, 3x USB 2.0 ports 1x 12V DC-In (screwable) 8x In/Out GPIO as RJ45 2x W-LAN Connectors 1x Mic-In & Ear-Out 1x DisplayPort
	Expansion Slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, VGA-, USB Touch-, Audio Cable

Product Name	32" Capacitive Touch PC	43" Capacitive Touch PC	55" Capacitive Touch PC
Article Code	FT32J1900W4G64GCAP	FT43J1900W4G64GCAP	FT55J1900W4G64GCAP
EAN Number	6920734032525	6920734042524	6920734055524

LCD Panel	Screen diagonal (inch/cm)	31.5/80.01	42.5/107.95	55/138.80
	Display active screen (cm)	69.84×39.29	94.09×52.92	121.00×68.00
	Aspect ratio	16:9	16:9	16:9
	Physical resolution	1920×1080	1920×1080	1920×1080
	External maximum resolution	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M
	Brightness (cd/m²)	350	400	350
	Contrast	3000:1	3000:1	1400:1
	Typical reaction time Tr/Tf (ms)	6/1	4/4	6/8
	Viewing angle horizont./vertic. (°)	178/178	179/179	178/178
	Backlight lifetime (hours)	LED / min. 30,000	LED / 60,000	LED / 50,000

PC System	CPU / Chipset	Intel® Celeron™ QuadCore J1900 / Intel® E3800
	Memory / Storage	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD
	Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A
	Network	2x Realtek PCIe GB LAN 8111G; W-LAN
	Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu

Operation	IP rating	IP65 Front / IP40 Back		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	14.50	29.00	40.50
	Gross weight (kg)	20.50	37.00	50.50
	Housing material	Aluminum		
	Case size (cm)	76.96 × 47.11 × 6.72	98.82 × 58.12 × 7.26	127.80 × 74.90 × 7.71
	Mounting	VESA 400×300	VESA 400	VESA 400

Power	Power supply	100-240V ACDC active switching; 24V DC-Out		
	Working power (V)	24		
	Power consumption (W)	75	90	130

Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch
	Touch connector	USB
	Touch life (contacts)	Unlimited
	Surface hardness	7H
	Surface treatment	Anti-glare (chemical etched)

External Connectors	External connectors	2x COM port 3-PIN (RX, TX, GND; RS232/485 switchable)	1x USB 3, 3x USB 2.0 ports
		1x 2.5" module slot, changeable SSD included	1x 12V DC-In (screwable)
		3x COM port Full-PIN (RS232/485; 5V/12V)	8x In/Out GPIO as RJ45
		1x S/PDIF-Out (1x Cinch, 1x Torx module)	2x W-LAN Connectors
	Expansion Slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable)	
		1x PCIeX1 Straddle Connector	

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, W-LAN antenna

Resistive Touch PCs

faytech's Resistive Touch PC series provide incredible stability for business or industrial applications, due to its fanless silent operation, no moving parts design and aluminum housing. Equipped with strong Intel® Celeron™ DualCore or QuadCore CPU, Intel® HD graphics, 2G / 4G RAM and 64G SSD, the system supports various OS, e.g. Win 7/ 8/10 (32 or 64 bit) and Linux. Using 5-wire resistive touch panels (4-wire for 7"), it is our cost-effective yet highly reliable solution for long term operation.

faytech's Touch PCs are the perfect option for moderate and challenging situations, such as industrial automation, POS system, digital signage and many more applications. There is a large range of customization options available, such as complete IP65 protection, upgraded case design, extra added peripherals and more.

Wie messe ich Kabel ab?
Kabel auswählen
Zählwerk auf 0
Kabel ablängen
... am Display
Nummer eingeben
Enter drücken
Länge eingeben
Enter drücken
Etikett abziehen
BAUHAUS
A
B
C
1
2
3
4
5
6
7
8
9
Löschen
0
,
OK
65
3.15
72
1.80

Product Name		7" Resistive Touch PC	8" Resistive Touch PC	10" Resistive Touch PC	15" Resistive Touch PC flat
N2807 CPU	Article Code	FT07N2807W2G64G	FT08N2807W2G64G	FT10N2807W2G64G	-
	EAN Number	6920734007509	6920734008513	6920734010516	-
J1900 CPU	Article Code	-	FT08J1900W4G64G	FT10J1900W4G64G	FT15J1900W4G64GFLAT
	EAN Number	-	6920734008520	6920734010530	6920734015528

LCD Panel				
Screen diagonal (inch/cm)	7/17.78	8/20.32	9.7/24.64	15/38.10
Display active screen (cm)	15.36×9.00	16.20×12.20	19.70×14.70	30.40×22.80
Aspect ratio	16:9	4:3	4:3	4:3
Physical resolution	1024×600	1024×768	1024×768	1024×768
External maximum resolution	1920×1200	1920×1200	1920×1200	1920×1200
Colors displayed	262K	16.7M	16.7M	16.7M
Brightness (cd/m²)	500	250	350	300
Contrast	700:1	700:1	800:1	700:1
Typical reaction time Tr/Tf (ms)	10/15	6/14	10/15	8/12
Viewing angle horizont./vertic. (°)	150/145	150/150	170/170	160/160
Backlight lifetime (hours)	LED / 20,000	LED / 20,000	LED / 20,000	LED / 30,000

PC System		
CPU / Chipset	Intel® Celeron™ DualCore N2807 / Intel® E3800	– Intel® Celeron™ QuadCore J1900 / Intel® E3800
Memory / Storage	1x 2GB DDR3L SODimm (expandable to 4GB) / 64GB SSD	– 1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD
Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A	
Network	2x Realtek PCIe GB LAN 8111G; W-LAN	
Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu	

Operation				
IP rating	IP40			
Operating temperature (°C)	-10 ~ +60			
Net weight (kg)	2.00	2.15	2.00	3.40
Gross weight (kg)	2.50	2.65	2.90	5.30
Housing material	Aluminum			Rubber Front, Aluminum IPC Back
Case size (cm)	18.60 × 12.80 × 4.05	21.60 × 18.30 × 5.66	25.80 × 20.50 x 5.30	34.45 × 28.07 × 5.90
Mounting	VESA 100	VESA 100	VESA 100	VESA 100

Power				
Power supply	100-240V ACDC active switching; 12V DC-Out			
Working power (V)	12			
Power consumption (W)	15	14	14	28

Touch Panel		
Touch technology	4-Wire Resistive	5-Wire Resistive
Touch connector	USB	USB
Touch life (contacts)	1 million in 1 location	10 million in 1 location
Surface hardness	3H	3H
Surface treatment	Anti-glare	Anti-glare

External Connectors			
External connectors	2x 10/100/1000Mbit RJ45 Ports 1x USB 3.0, 3x USB 2.0 ports 1x 12V DC-In (screwable) 2x COM port Full-PIN - RS232; 5V/12V (J1900: RS232/RS485; 5V/12V)	2x W-LAN connectors 1x MIC-In & EAR-Out 1x DisplayPort	**See left column plus:** 1x VGA-out 1x 2.5" module slot 1x S/PDIF-Out 8x In/Out GPIO 2x COM port 3-PIN - RX, TX, GND; RS232/485 switchable
Expansion slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector (J1900 only)		

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, W-LAN Antenna, 3-Pin Connector, Stylus (flat version also has: Small Metal Stand)

Resistive Touch PCs

Product Name		15" Resistive Touch PC	17" Resistive Touch PC	19" Resistive Touch PC
N2807 CPU	Article Code	FT15N2807W2G64G	FT17N2807W2G64G	FT19N2807W2G64G
	EAN Number	6920734015511	6920734017522	6920734019526
J1900 CPU	Article Code	FT15J1900W4G64G	FT17J1900W4G64G	FT19J1900W4G64G
	EAN Number	6920734015542	6920734017508	6920734019502

LCD Panel			
Screen diagonal (inch/cm)	15/38.10	17/43.18	19/48.26
Display active screen (cm)	30.40×22.80	33.79×27.04	41.22×25.91
Aspect ratio	4:3	5:4	16:10
Physical resolution	1024×768	1280×1024	1440×900
External maximum resolution	1920×1200	1920×1200	1920×1200
Colors displayed	16.7M	16.7M	16.7M
Brightness (cd/m²)	300	250	250
Contrast	700:1	1000:1	1000:1
Typical reaction time Tr/Tf (ms)	8/12	3.8/1.2	1.5/3.5
Viewing angle horizont./vertic. (°)	160/160	170/160	170/160
Backlight lifetime (hours)	LED / 30,000	LED / 30,000	LED / 30,000

PC System		
CPU / Chipset	Intel® Celeron™ DualCore N2807 / Intel® E3800	– Intel® Celeron™ QuadCore J1900 / Intel® E3800
Memory / Storage	1x 2GB DDR3L SODimm (max. 4GB) / 64GB SSD	– 1x 4GB DDR3L SODimm (max. 8GB) / 64GB SSD
Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A	
Network	2x Realtek PCIe GB LAN 8111G; W-LAN	
Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu	

Operation			
IP rating	IP40		
Operating temperature (°C)	-10 ~ +60		
Net weight (kg)	3.40	4.05	4.75
Gross weight (kg)	5.30	5.75	7.10
Housing material	Aluminum		
Case size (cm)	36.80 × 28.80 × 5.78	39.70 × 32.50 × 6.05	46.80 × 31.40 × 6.25
Mounting	VESA 100	VESA 100	VESA 100

Power			
Power supply	100-240V ACDC active switching; 12V DC-Out		
Working power (V)	12		
Power consumption (W)	17	17	21

Touch Panel	
Touch technology	5-Wire Resistive
Touch connector	USB
Touch life (contacts)	10 million in 1 location
Surface hardness	7H
Surface treatment	Anti-glare

External Connectors		
External connectors	2x 10/100/1000Mbit RJ45 Ports	2x W-LAN connectors
	1x USB 3.0, 3x USB 2.0 ports	1x MIC-In & EAR-Out
	1x 12V DC-In (screwable)	1x DisplayPort
	2x COM port Full-PIN - RS232; 5V/12V (J1900: RS232/RS485; 5V/12V)	
Expansion Slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable)	
	1x PCIeX1 Straddle Connector	

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, W-LAN Antenna, 3-Pin Connector, Stylus

IP65 High Brightness Touch PCs

faytech's IP65 High Brightness Touch PCs are designed for applications in demanding environments, especially outdoor environments with excessive humidity or dust. The special characteristic of this series is the rugged housing, IP65 connectors and high brightness.

The series is equipped with our renowned fay-002 mainboard with Intel® Celeron™ DualCore N2807 or QuadCore J1900 CPU, reliable RAM, SSD and W-LAN modules. The pre-installed Linux Ubuntu or optional Windows OS makes the fanless rugged device work immediately after unpacking.

With its high brightness even in direct sunlight and high-strength safety glass which protects the models from any cracks or scratches, is this the perfect solution for any application in need of a robust, rugged touch device. Customization options are always available on request!

Product Name	10.4" IP65 HB Resistive Touch PC	15" IP65 HB Resistive Touch PC
Article Code	FT104J1900W4G64GIP65HB	FT15N2807W2G64GIP65HB
EAN Number	6920734010622	6920734015603

LCD Panel	Screen diagonal (inch/cm)	10.4/26.42	15/38.10
	Display active screen (cm)	21.12×15.84	30.40x22.80
	Aspect ratio	4:3	4:3
	Physical resolution	1024×768	1024×768
	External maximum resolution	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M
	Brightness (cd/m²)	1000+	1000+
	Contrast	500:1	500:1
	Typical reaction time Tr/Tf (ms)	12.5/12.5	2/6
	Viewing angle horizont./vertic. (°)	140/120	160/160
	Backlight lifetime (hours)	LED / 40,000	LED / 40,000

PC System	CPU / Chipset	Intel® Celeron™ QuadCore J1900 / Intel® E3800	Intel® Celeron™ DualCore N2807 / Intel® E3800
	Memory / Storage	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD	1x 2GB DDR3L SODimm (expandable to 4GB) / 64GB SSD
	Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A	
	Network	2x Realtek PCIe GB LAN 8111G; W-LAN	
	Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu	

Operation	IP rating	IP65	
	Operating temperature (°C)	-10 ~ +60	
	Net weight (kg)	1.80	3.40
	Gross weight (kg)	2.60	5.30
	Housing material	Aluminum	
	Case size (cm)	28.40 × 23.70 × 6.23	36.80 × 28.80 × 5.95
	Mounting	VESA 100	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out	
	Working power (V)	8~36	
	Power consumption (W)	26	32

Touch Panel	Touch technology	5-Wire Resistive
	Touch connector	USB
	Touch life (contacts)	10 million in 1 location
	Surface hardness	3H
	Surface treatment	Anti-glare

External Connectors	External connectors	1x 10/100/1000Mbit RJ45 Port	2x W-LAN antenna connector
		2x Combined RS232/RS485 & USB 2.0	1x 8-36V DC-IN
	Expansion slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector (J1900 only)	

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, Stylus, W-LAN Antenna

IP65 Cables: 1x DC-In Cable, 1x 10/100/1000M Network Cable, 2x Combined RS232 & USB 2.0

IP65 High Brightness Touch PCs

Product Name	15" IP65 HB Capacitive Touch PC	
Article Code	FT15N2807W2G64GIP65HBCAP	FT15J1900W4G64GIP65HBCAP
EAN Number	6920734015634	6920734015634

LCD Panel		
Screen diagonal (inch/cm)	15/38.1	
Display active screen (cm)	30.40×22.80	
Aspect ratio	4:3	
Physical resolution	1024×768	
Maximum screen resolution	1920×1200	
Colors displayed	16.7M	
Brightness (cd/m²)	1000+	
Contrast	700:1	
Typical reaction time Tr/Tf (ms)	8/12	
Viewing angle horizont./vertic. (°)	160/160	
Backlight lifetime (hours)	LED / 40,000	

PC System		
CPU / Chipset	Intel® Celeron™ DualCore N2807 / Intel® E3800	Intel® Celeron™ QuadCore J1900 / Intel® E3800
Memory / Storage	1x 2GB DDR3L SODimm (expandable to 4GB) / 64GB SSD	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD
Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A	
Network	2x Realtek PCIe GB LAN 8111G; W-LAN	
Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu	

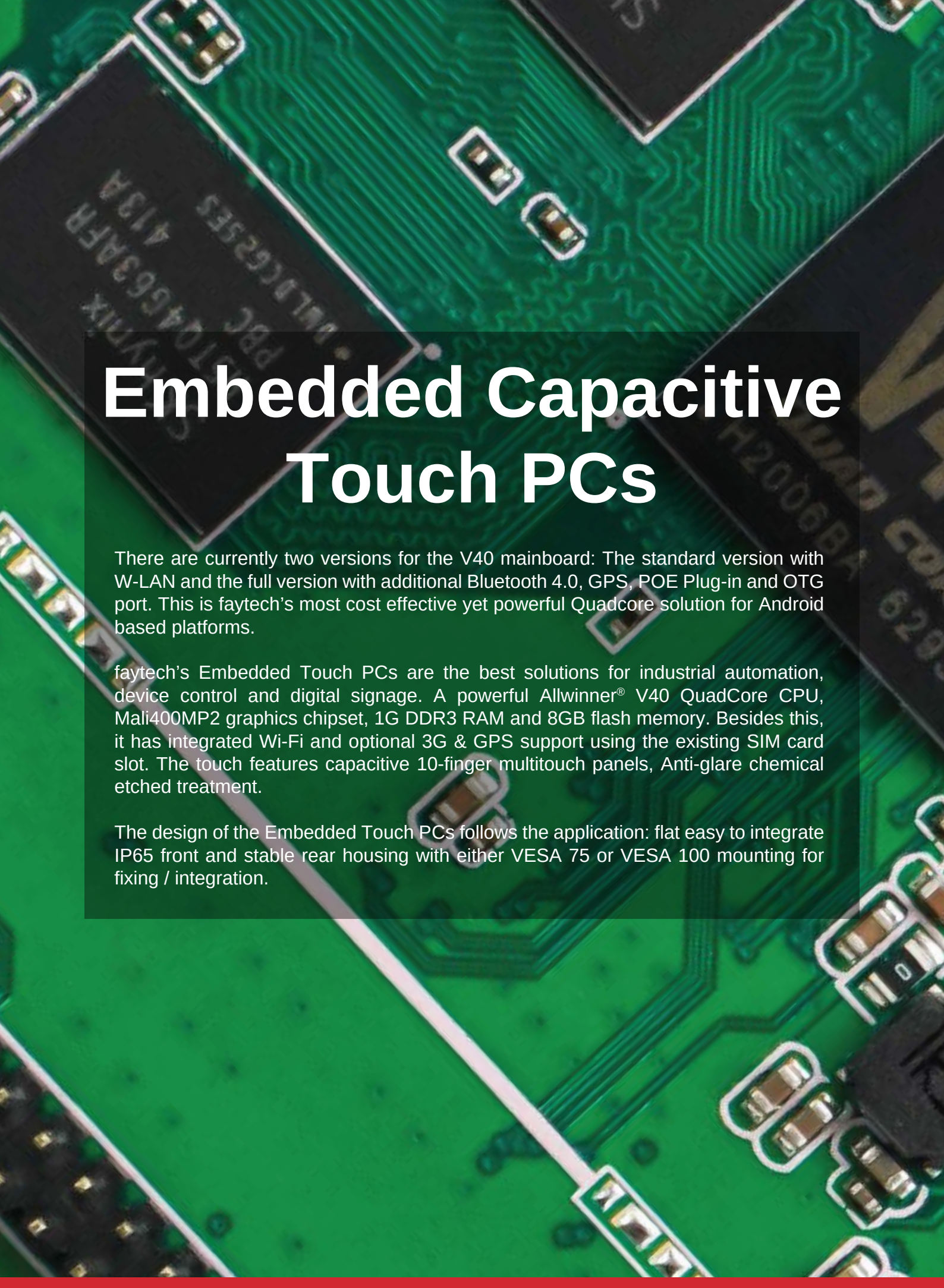
Operation	
IP rating	IP65
Operating temperature (°C)	-10 ~ +60
Net weight (kg)	3.40
Gross weight (kg)	5.30
Housing material	Aluminum
Case size (cm)	36.80 × 28.80 × 5.95
Mounting	VESA 100

Power	
Power supply	100-240V ACDC active switching; 12V DC-Out
Working power (V)	8~36
Power consumption (W)	32

Touch Panel	
Touch technology	Projected Capacitive 10-Point Multitouch
Touch connector	USB
Touch life (contacts)	Unlimited
Surface hardness	7H
Surface treatment	Anti-glare (chemical etched)

External Connectors		
External connectors	1x 10/100/1000Mbit RJ45 Port 2x Combined RS232/RS485 & USB 2.0	2x W-LAN antenna connector 1x 8-36V DC-IN
Expansion slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector (J1900 only)	

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, W-LAN Antenna
IP65 Cables: 1x DC-In Cable, 1x 10/100/1000M Network Cable, 2x Combined RS232 & USB 2.0



Embedded Capacitive Touch PCs

There are currently two versions for the V40 mainboard: The standard version with W-LAN and the full version with additional Bluetooth 4.0, GPS, POE Plug-in and OTG port. This is faytech's most cost effective yet powerful Quadcore solution for Android based platforms.

faytech's Embedded Touch PCs are the best solutions for industrial automation, device control and digital signage. A powerful Allwinner® V40 QuadCore CPU, Mali400MP2 graphics chipset, 1G DDR3 RAM and 8GB flash memory. Besides this, it has integrated Wi-Fi and optional 3G & GPS support using the existing SIM card slot. The touch features capacitive 10-finger multitouch panels, Anti-glare chemical etched treatment.

The design of the Embedded Touch PCs follows the application: flat easy to integrate IP65 front and stable rear housing with either VESA 75 or VESA 100 mounting for fixing / integration.

ALLWINNER
TECH
FORESEE
NCEMASD9-08G
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AXP221S

Product Name	7" Embedded Touch PC	8" Embedded Touch PC	10" Embedded Touch PC
Article Code	FT07V40M400W1G8GCAP	FT08V40M400W1G8GCAP	FT10V40M400W1G8GCAP
EAN Number	6920734007905	6920734008827	6920734010813

LCD Panel	Screen diagonal (inch/cm)	7/17.78	8/20.32	9.7/24.64
	Display active screen (cm)	15.36×9.00	16.20×12.20	19.70×14.70
	Aspect ratio	16:9	4:3	4:3
	Physical resolution	1024×600	1024×768	1024×768
	External maximum resolution	1920×1080	1920×1080	1920×1080
	Colors displayed	262K	16.7M	16.7M
	Brightness (cd/m²)	500	250	350
	Contrast	700:1	700:1	800:1
	Typical reaction time Tr/Tf (ms)	10/15	6/14	10/15
	Viewing angle horizont./vertic. (°)	150/145	150/150	170/170
	Backlight lifetime (hours)	LED / 20,000	LED / 20,000	LED / 20,000

PC System	CPU / Chipset	Allwinner® V40 QuadCore / Cortex A7
	Memory / Storage	1x 1GB DDR3 / 8GB EMMC Flash
	Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier
	Network	10M/100M Network; W-LAN
	Driver support / Pre-installed	Android 6.0

Operation	IP rating	IP65 Front / IP40 Back		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	1.00	1.40	2.00
	Gross weight (kg)	2.00	2.40	2.80
	Housing material	Rubber Front Case, Plastic Back Case		
	Case size (cm)	19.56 × 13.76 × 3.75	20.10 × 16.05 × 3.57	24.43 × 19.52 × 3.65
	Mounting	VESA 75	VESA 75	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out		
	Working power (V)	8~18		
	Power consumption (W)	8	7	9

Touch Panel	Touch technology	Projected Capacitive 10-Point Multitouch	
	Touch connector	USB	
	Touch life (contacts)	Unlimited	
	Surface hardness	7H	
	Surface treatment	-	Anti-glare (chemical etched)

External Connectors	External connectors	1x 8-18V DC-In (screwable)	1x Audio-Out	1x USB OTG	1x SIM-card slot
		1x 10/100Mbit RJ45 Port	1x Audio-In	2x USB 2.0	1x SD-card slot
		1x W-LAN-connector	1x HDMI	1x Serial	4x GPIO
	Expansion slots	1x MiniPCIe			

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, W-LAN Antenna

10" also include: Standard Stand

Embedded Capacitive Touch PCs

	Product Name	10.1" Embedded Touch PC	13.3" Embedded Touch PC	15" Embedded Touch PC
	Article Code	FT101V40M400W1G8GCAP	FT133V40M400W1G8GCAP	FT15V40M400W1G8GCAP
	EAN Number	69207340010820	6920734013814	6920734015801
LCD Panel	Screen diagonal (inch/cm)	10.1/25.65	13.3/33.78	15/38.10
	Display active screen (cm)	21.70×13.60	29.37×16.52	30.40×22.80
	Aspect ratio	16:10	16:9	4:3
	Physical resolution	1280×800	1920×1080	1024×768
	External maximum resolution	1920×1080	1920×1080	1920×1080
	Colors displayed	16.7M	16.7M	16.7M
	Brightness (cd/m²)	350	350	300
	Contrast	700:1	700:1	700:1
	Typical reaction time Tr/Tf (ms)	10/15	14/11	8/12
	Viewing angle horizont./vertic. (°)	170/170	178/178	160/160
	Backlight lifetime (hours)	LED / 20,000	LED / 15,000	LED / 30,000
PC System	CPU / Chipset	Allwinner® V40 QuadCore / Cortex A7		
	Memory / Storage	1x 1GB DDR3 / 8GB EMMC Flash		
	Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier		
	Network	10M/100M Network; W-LAN		
	Driver support / Pre-installed	Android 6.0		
Operation	IP rating	IP65 Front / IP40 Back		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	2.00	2.80	4.10
	Gross weight (kg)	2.90	3.80	5.10
	Housing material	Rubber Front Case, Plastic Back Case		
	Case size (cm)	27.60 × 19.20 × 3.35	34.76 × 21.91 × 3.15	35.16 × 27.56 × 4.55
	Mounting	VESA 100	VESA 100	VESA 100
Power	Power supply	100-240V ACDC active switching; 12V DC-Out		
	Working power (V)	8~18		
	Power consumption (W)	11	13	16
Touch Panel	Touch technology	Projected Capacitive 10-Point Multitouch		
	Touch connector	USB		
	Touch life (contacts)	Unlimited		
	Surface hardness	7H		
	Surface treatment	Anti-glare (chemical etched)		
External Connectors	External connectors	1x 8-18V DC-In (screwable) 1x 10/100Mbit RJ45 Port 1x W-LAN-connector	1x Audio-Out 1x Audio-In 1x HDMI	1x USB OTG 2x USB 2.0 1x Serial	1x SIM-card slot 1x SD-card slot 4x GPIO
	Expansion slots	1x MiniPCIe			

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, W-LAN Antenna, Standard Stand

Product Name	15.6" Embedded Touch PC	17" Embedded Touch PC
Article Code	FT156V40M400W1G8GCAP	FT17V40M400W1G8GCAP
EAN Number	6920734016808	6920734017805

LCD Panel	Screen diagonal (inch/cm)	15.6/39.6	17/43.18
	Display active screen (cm)	34.42×19.36	33.79×27.04
	Aspect ratio	16:9	5:4
	Physical resolution	1920×1080	1280×1024
	External maximum resolution	1920×1080	1920×1080
	Colors displayed	262K	16.7M
	Brightness (cd/m²)	250	250
	Contrast	800:1	1000:1
	Typical reaction time Tr/Tf (ms)	15/15	3.8/1.2
	Viewing angle horizont./vertic. (°)	170/170	170/160
	Backlight lifetime (hours)	LED / min. 15,000	LED / 30,000

PC System	CPU / Chipset	Allwinner® V40 QuadCore / Cortex A7
	Memory / Storage	1x 1GB DDR3 / 8GB EMMC Flash
	Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier
	Network	10M/100M Network; W-LAN
	Driver support / Pre-installed	Android 6.0

Operation	IP rating	IP65 Front / IP40 Back	
	Operating temperature (°C)	-10 ~ +60	
	Net weight (kg)	3.40	5.10
	Gross weight (kg)	5.30	6.10
	Housing material	Rubber Front Case, Plastic Back Case	
	Case size (cm)	38.93 × 24.68 × 3.45	38.06 × 31.30 × 4.45
	Mounting	VESA 100	VESA 100

Power	Power supply	100-240V ACDC active switching; 12V DC-Out	
	Working power (V)	8~18	
	Power consumption (W)	13	16

Touch Panel	Touch technology	Projected Capacitive 10-Point Multitouch
	Touch connector	USB
	Touch life (contacts)	Unlimited
	Surface hardness	7H
	Surface treatment	Anti-glare (chemical etched)

External Connectors	External connectors	1x 8-18V DC-In (screwable)	1x Audio-Out	1x USB OTG	1x SIM-card slot
		1x 10/100Mbit RJ45 Port	1x Audio-In	2x USB 2.0	1x SD-card slot
		1x W-LAN-connector	1x HDMI	1x Serial	4x GPIO
	Expansion slots	1x MiniPCIe			

*** Included in the delivery**

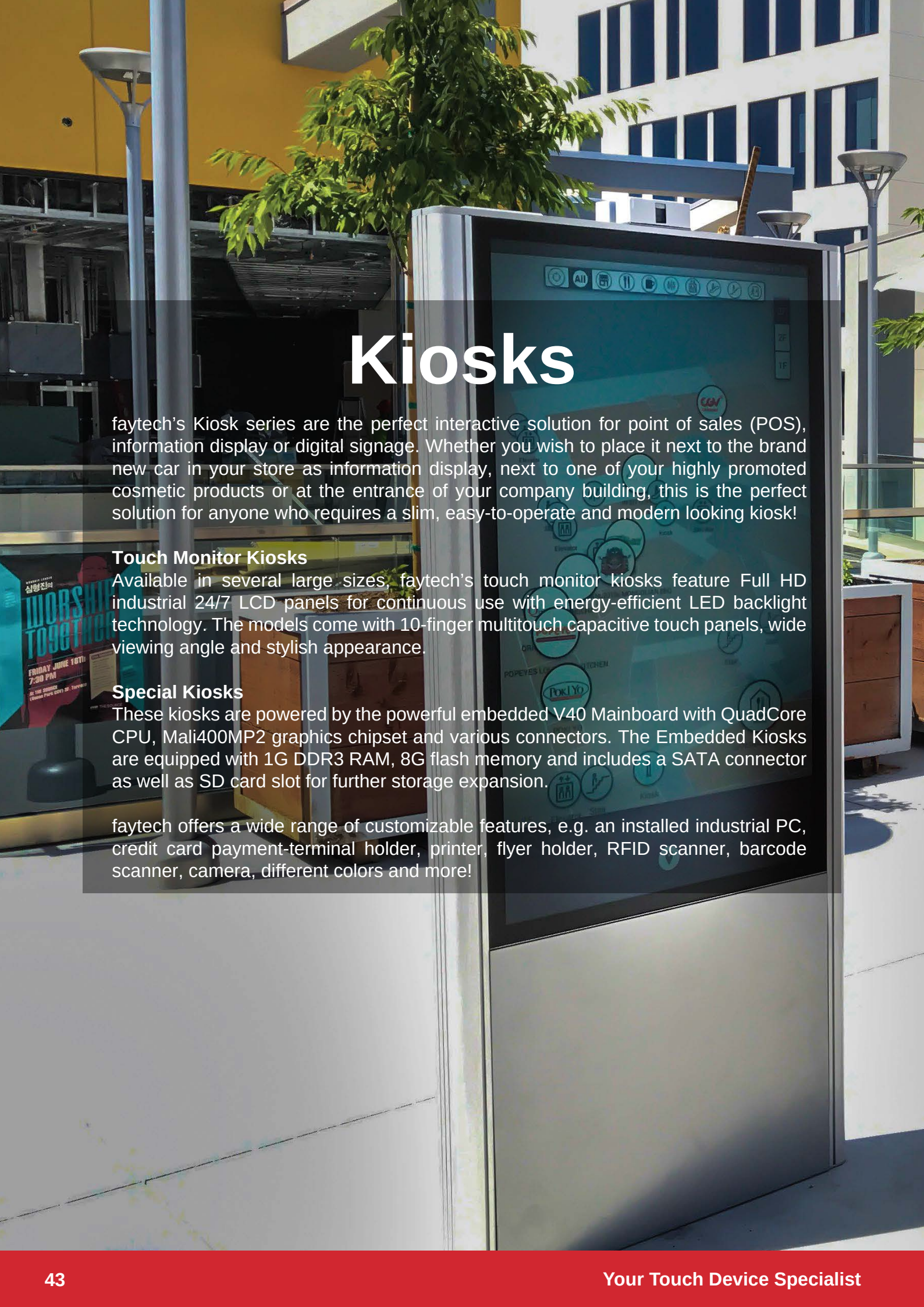
Power supply (see power section), Short Installation Manual, W-LAN Antenna, Standard Stand

Embedded Capacitive Touch PCs

	Product Name	19" Embedded Touch PC	21.5" Embedded Touch PC
	Article Code	FT19V40M400W1G8GCAP	FT215V40M400W1G8GCAP
	EAN Number	6920734019809	6920734022816
LCD Panel	Screen diagonal (inch/cm)	19/48.26	21.5/54.69
	Display active screen (cm)	37.93×30.41	47.70×26.80
	Aspect ratio	5:4	16:9
	Physical resolution	1280×1024	1920×1080
	External maximum resolution	1920×1080	1920×1080
	Colors displayed	16.7M	16.7M
	Brightness (cd/m²)	250	250
	Contrast	1000:1	1000:1
	Typical reaction time Tr/Tf (ms)	15/15	1.5/3.5
	Viewing angle horizont./vertic. (°)	170/160	170/170
	Backlight lifetime (hours)	LED / 40,000	LED / 40,000
PC System	CPU / Chipset	Allwinner® V40 QuadCore / Cortex A7	
	Memory / Storage	1x 1GB DDR3 / 8GB EMMC Flash	
	Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier	
	Network	10M/100M Network; W-LAN	
	Driver support / Pre-installed	Android 6.0	
Operation	IP rating	IP65 Front / IP40 Back	
	Operating temperature (°C)	-10 ~ +60	
	Net weight (kg)	6.20	6.80
	Gross weight (kg)	7.40	8.60
	Housing material	Rubber Front Case, Plastic Back Case	
	Case size (cm)	43.85 × 36.35 × 4.47	52.73 × 32.39 × 4.20
	Mounting	VESA 100	VESA 100
Power	Power supply	100-240V ACDC active switching; 12V DC-Out	
	Working power (V)	8~18	
	Power consumption (W)	13	16
Touch Panel	Touch technology	Projected Capacitive 10-Point Multitouch	
	Touch connector	USB	
	Touch life (contacts)	Unlimited	
	Surface hardness	7H	
	Surface treatment	Anti-glare (chemical etched)	
External Connectors	External connectors	1x 8-18V DC-In (screwable) 1x 10/100Mbit RJ45 Port 1x W-LAN-connector	1x Audio-Out 1x Audio-In 1x HDMI	1x USB OTG 2x USB 2.0 1x Serial	1x SIM-card slot 1x SD-card slot 4x GPIO
	Expansion slots	1x MiniPCIe			

*** Included in the delivery**

Power supply (see power section), Short Installation Manual, W-LAN Antenna, Standard Stand



Kiosks

faytech's Kiosk series are the perfect interactive solution for point of sales (POS), information display or digital signage. Whether you wish to place it next to the brand new car in your store as information display, next to one of your highly promoted cosmetic products or at the entrance of your company building, this is the perfect solution for anyone who requires a slim, easy-to-operate and modern looking kiosk!

Touch Monitor Kiosks
Available in several large sizes, faytech's touch monitor kiosks feature Full HD industrial 24/7 LCD panels for continuous use with energy-efficient LED backlight technology. The models come with 10-finger multitouch capacitive touch panels, wide viewing angle and stylish appearance.

Special Kiosks
These kiosks are powered by the powerful embedded V40 Mainboard with QuadCore CPU, Mali400MP2 graphics chipset and various connectors. The Embedded Kiosks are equipped with 1G DDR3 RAM, 8G flash memory and includes a SATA connector as well as SD card slot for further storage expansion.

faytech offers a wide range of customizable features, e.g. an installed industrial PC, credit card payment-terminal holder, printer, flyer holder, RFID scanner, barcode scanner, camera, different colors and more!

Product Name	32" Touch Monitor Kiosk	43" Touch Monitor Kiosk	55" Touch Monitor Kiosk
Article Code	FT32TMKCAPOB	FT43TMKCAPOB	FT55TMKCAPOB
EAN Number	6920734032112	6920734043019	6920734055111

LCD Panel	Screen diagonal (inch/cm)	31.5/80.01	42.5/107.95	55/138.8
	Display active screen (cm)	69.84×39.29	94.09×52.92	121.00×68.00
	Aspect ratio	16:9	16:9	16:9
	Physical resolution	1920×1080	1920×1080	1920×1080
	Maximum screen resolution	1920×1200	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M	16.7M
	Brightness (cd/m²)	350	400	350
	Contrast	3000:1	3000:1	1400:1
	Typical reaction time Tr/Tf (ms)	6.5/1	4/4	6/8
	Viewing angle horizont./vertic. (°)	178/178	179/179	178/178
	Backlight lifetime (hours)	LED / min. 30,000	LED / 60,000	LED / 50,000

Operation	IP rating	IP65 Front / IP40 Back		
	Operating temperature (°C)	-10 ~ +60		
	Net weight (kg)	37.00	60.00	106.00
	Gross weight (kg)	67.00	103.00	186.00
	Housing material	Aluminum		
	Case size (cm)	47.75 × 4.70 × 180.00	72.95 × 6.00 × 186.40	87.32 × 6.00 × 195.20

Power	Power supply	100-240V ACDC active switching; 24V DC-Out		
	Working power (V)	24		
	Power consumption (W)	66	90	126

Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch
	Touch panel driver	Windows; Linux; Mac; Android
	Touch life (contacts)	Unlimited
	Surface hardness	7H
	Surface treatment	Anti-glare (chemical etched)

External Connectors	Video connectors	1x HDMI 1.3 (incl. HDCP) 1x VGA 1x DVI-D
	Audio connector	1x PC-Audio
	Touch connector	1x USB touch
	Connector	1x 24V DC-In

*** Included in the delivery**
Power supply (see power section), Stable Base, HDMI-, Audio-, USB Touch Cable, Flight Case

+60°C
-10°C

Product Name	10.1" Embedded Touch PC Kiosk	43" Embedded PC Kiosk (no touch)
Article Code	FT101V40KCAPOB	FT43V40HBK02
EAN Number	...	6920734093427

LCD Panel	Screen diagonal (inch/cm)	10.1/25.65	43/109.22
	Display active screen (cm)	21.70×13.60	94.09×52.93
	Aspect ratio	16:10	16:9
	Physical resolution	1280×800	1920×1080
	External maximum resolution	1920×1080	1920×1080
	Colors displayed	16.7M	16.7M
	Brightness (cd/m²)	350	1000+
	Contrast	700:1	3000:1
	Typical reaction time Tr/Tf (ms)	10/15	8/8
	Viewing angle horizont./vertic. (°)	170/170	178/178
	Backlight lifetime (hours)	LED / 20,000	LED / 50,000

PC System	CPU / Chipset	Allwinner® V40 QuadCore / Cortex A7
	Memory / Storage	1x 1GB DDR3 / 8GB EMMC Flash
	Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier
	Network	10M/100M Network; W-LAN
	Driver support / Pre-installed	Android 6.0

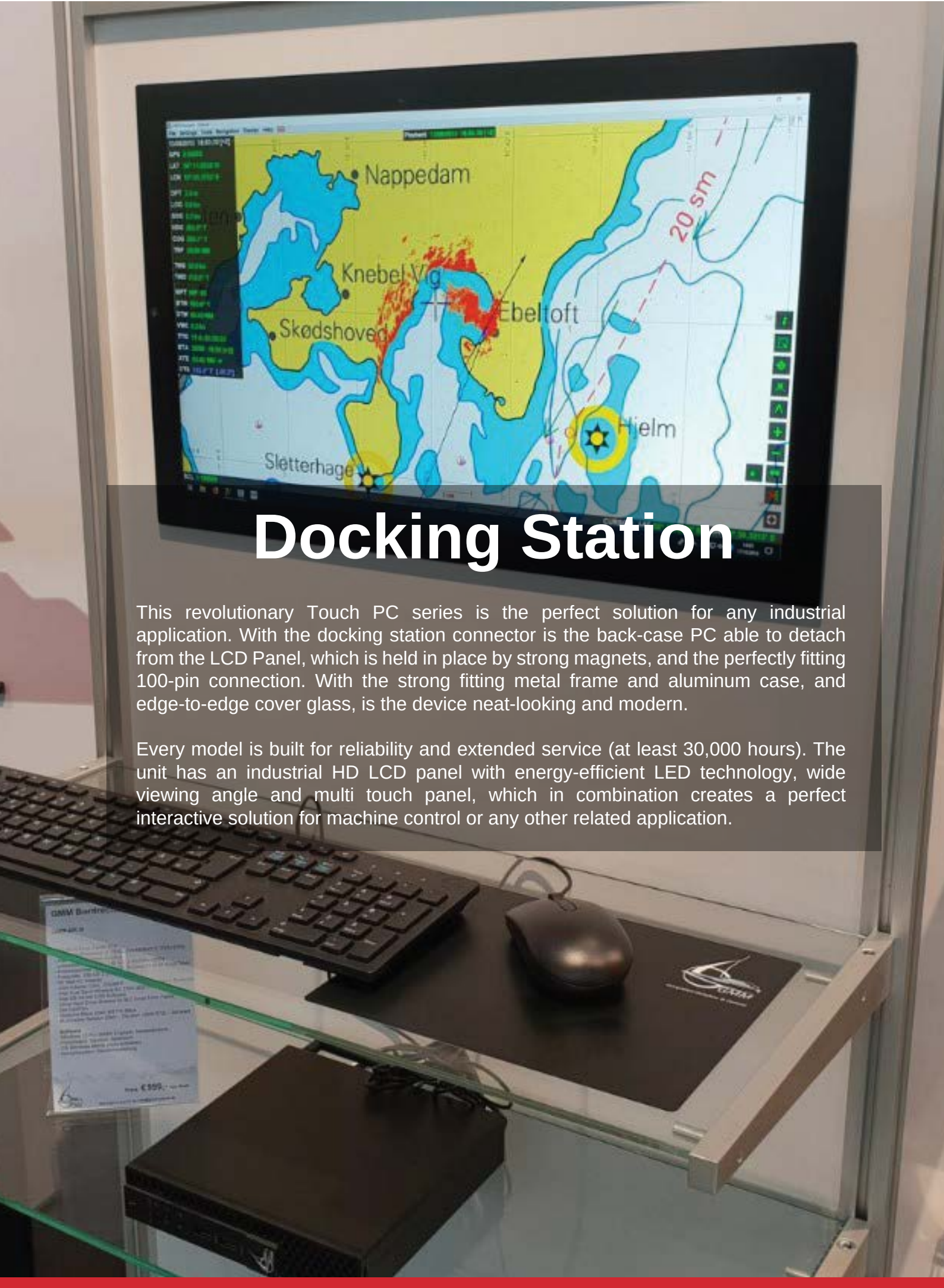
Operation	IP rating	IP65 Front / IP40 Back	IP65
	Operating temperature (°C)	-10 ~ +60	-10 ~ +60
	Net weight (kg)	22.00	60.00
	Gross weight (kg)	30.00	85.00
	Housing material	Aluminum	Metal
	Case size (cm)	30.00 × 30.00 × 106.12	52.73 × 32.39 × 4.20
	Mounting	Aluminum & Glass Pedestal	Aluminum stand

Power	Power supply	100-240V ACDC active switching; 12V DC-Out	100-240V ACDC active switching; 24V DC-Out
	Working power (V)	8~18	24
	Power consumption (W)	11	70

Touch Panel	Touch technology	Projected Capacitive 10-Point Multitouch	-
	Touch connector	USB	
	Touch life (contacts)	Unlimited	
	Surface hardness	7H	
	Surface treatment	Anti-glare (chemical etched)	

External Connectors	External connectors	1x 8-18V DC-In (screwable)	1x HDMI	1x 24V DC-In (IP65 Cable)
		1x 10/100Mbit RJ45 Port	1x Serial	1x 10/100Mbit RJ45 Connector (IP65 Cable)
		1x Mic-In & 1x Ear-Out	1x GPIO	2x USB 2.0 (IP65 Cable)
		1x SD-card slot	2x USB 2.0	1x SD-card slot
		1x SIM-card slot	1x USB OTG	1x SIM-card slot

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, W-LAN Antenna, Stable base



Docking Station

This revolutionary Touch PC series is the perfect solution for any industrial application. With the docking station connector is the back-case PC able to detach from the LCD Panel, which is held in place by strong magnets, and the perfectly fitting 100-pin connection. With the strong fitting metal frame and aluminum case, and edge-to-edge cover glass, is the device neat-looking and modern.

Every model is built for reliability and extended service (at least 30,000 hours). The unit has an industrial HD LCD panel with energy-efficient LED technology, wide viewing angle and multi touch panel, which in combination creates a perfect interactive solution for machine control or any other related application.

	Product Name	15" Docking LCD Front Kit	21.5" Docking LCD Front Kit
	Article Code	FT15DSFKOBHB	FT215DSFKOBHB
	EAN Number	6920734000456	6920734000432
LCD Panel	Screen diagonal (inch/cm)	15/38.1	21.5/54.69
	Display active screen (cm)	30.4×22.8	47.7×26.8
	Aspect ratio	4:3	16:9
	Physical resolution	1024×768	1920×1080
	Maximum screen resolution	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M
	Brightness (cd/m²)	1000+	1000+
	Contrast	700:1	1000:1
	Typical reaction time Tr/Tf (ms)	8/12	7/7
	Viewing angle horizont./vertic. (°)	160/160	178/178
	Backlight lifetime (hours)	LED / 30,000	LED / 30,000
Operation	IP rating	IP65 Front / IP40 Back	
	Operating temperature (°C)	-10 ~ +60	
	Net weight (kg)	3.00	5.00
	Gross weight (kg)	5.00	7.30
	Housing material	Aluminum	Aluminum
	Case size (cm)	36.20 × 25.60 × 3.08	52.79 × 32.80 × 6.58
	Docking connection	100-pin connection	
Power	Power supply	100-240V ACDC active switching; 12V DC-Out	
	Working power (V)	12	
	Power consumption (W)	25	28
Touch Panel	Touch technology	Projected Capacitive 10-point Multitouch (optically bonded)	
	Touch panel driver	Windows; Linux; Mac; Android	
	Touch life (contacts)	Unlimited	
	Surface hardness	7H	
	Surface treatment	Anti-glare (chemical etched)	

DOCKING
LCD FRONT KIT

HIGH BRIGHTNESS

RoHS Compliant

+60°C
-10°C

	Product Name	Docking Station Box PC	
	Article Code	IPCN3350W4G64GDS	IPCN4200W4G64GDS
	EAN Number	6920734000449	6920734000449
PC System	CPU / Chipset	Intel® Celeron™ DualCore N2807 / Intel® E3800	Intel® Celeron™ QuadCore J1900 / Intel® E3800
	Memory / Storage	1x 2GB DDR3L SODimm (expandable to 4GB) / 64GB SSD	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD
	Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A	
	Network	2x Realtek PCIe GB LAN 8111G; W-LAN	
	Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu	
Operation	IP rating	IP65 Front / IP40 Back	
	Operating temperature (°C)	-10 ~ +60	
	Net weight (kg)	3.00	5.00
	Gross weight (kg)	5.00	7.30
	Housing material	Aluminum	Aluminum
	Case size (cm)	36.20 × 25.60 × 3.08	52.79 × 32.80 × 6.58
	Docking connection	100-pin connection	
Power	Power supply	100-240V ACDC active switching; 12V DC-Out	
	Working power (V)	12	
	Power consumption (W)	25	28
External Connectors	External connectors	1x 12V DC-In (screwable) 1x DisplayPort 1x HDMI 2x USB 3.0 ports 2x USB 2.0 ports 2x W-LAN connector 1x MIC-In & EAR-Out 8x In/Out GPIO as RJ45 1x LVDS 2x COM port Full-PIN - RS232; 5V/12V 2x COM port 3-PIN - RX, TX, GND; RS232 2x 10/100/1000Mbit RJ45 Ports (1x with POE) 1x S/PDIF-Out (1x Cinch, 1x Torx module) 1x 2.5" module slot, changeable SSD included	1x 12V DC-In (screwable) 1x DisplayPort 1x HDMI 2x USB 3.0 ports 2x USB 2.0 ports 2x W-LAN connector 1x MIC-In & EAR-Out 8x In/Out GPIO as RJ45 1x LVDS 2x COM port Full-PIN - RS232; 5V/12V 2x COM port 3-PIN - RX, TX, GND; RS232 2x 10/100/1000Mbit RJ45 Ports (1x with POE) 1x S/PDIF-Out (1x Cinch, 1x Torx module) 1x 2.5" module slot, changeable SSD included
	Expansion Slots	1x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector 1x M.2 E-key for wireless device	1x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector 1x M.2 E-key for wireless device

DOCKING PC

W-LAN

USB UNIVERSAL SERIAL BUS

HDMI

+60°C

-10°C

Other

Besides the normal touch PCs and Monitors, faytech also offers specialized products, such as the box PC or Mirror PCs.

Box PCs
faytech's Industrial PCs are great in combination with any of faytech's touch monitors. Whether it is with the Open Frame, Kiosks or standard touch monitors, these can be used with any of them.

Mirror PCs
faytech's interactive mirrors are the perfect solution for public or private bathrooms, in hotels, shopping malls, airplanes or any other field that requires a smart mirror! The device is powered by the powerful Embedded V40 mainboard with pre-installed Android system.

Customization options are available for both series, these include but are not limited to LED strips on front, Optical bonded, High brightness, rounded corners, and more!

Product Name	Box PC (fay-002)	
Article Code	IPCN2807W2G64G	IPCJ1900W4G64G
EAN Number	6920734000425	6920734000432

PC System	CPU / Chipset	Intel® Celeron™ DualCore N2807 / Intel® E3800	Intel® Celeron™ QuadCore J1900 / Intel® E3800
	Memory / Storage	1x 2GB DDR3L SODimm (expandable to 4GB) / 64GB SSD	1x 4GB DDR3L SODimm (expandable to 8GB) / 64GB SSD
	Audio	Realtek 887 8 -channel high definition audio codec, Audio Amplifier EUA 2012A	
	Network	2x Realtek PCIe GB LAN 8111G; W-LAN	
	Driver support / Pre-installed	Win7/8/10; Linux; 32Bit/64Bit / Linux Ubuntu	

Operation	IP rating	IP40
	Operating temperature (°C)	-10 ~ +60
	Net weight (kg)	2.20
	Gross weight (kg)	3.20
	Housing material	Aluminum
	Case size (cm)	21.60 × 19.50 × 4.10
	Mounting	VESA 100 / Screwhead holes (20×14 cm)

Power	Power supply	100-240V ACDC active switching; 12V DC-Out	
	Working power (V)	12	
	Power consumption (W)	10	15

External Connectors	External connectors	1x COM port 3-PIN (RX, TX, GND; RS232) 1x 2.5" module slot, changeable SSD included 2x COM port Full-PIN (RS232; 5V/12V) 1x S/PDIF-Out (1x Cinch, 1x Torx module) 1x VGA-out (from internal header) 2x 10/100/1000Mbit RJ45 Ports 1x USB 3, 3x USB 2.0 ports 1x 12V DC-In (screwable) 8x In/Out GPIO as RJ45 2x W-LAN Connectors 1x Mic-In & Ear-Out 1x DisplayPort	2x COM port 3-PIN (RX, TX, GND; RS232/485 switchable) 1x 2.5" module slot, changeable SSD included 2x COM port Full-PIN (RS232/485; 5V/12V) 1x S/PDIF-Out (1x Cinch, 1x Torx module) 1x VGA-out (from internal header) 2x 10/100/1000Mbit RJ45 Ports 1x USB 3, 3x USB 2.0 ports 1x 12V DC-In (screwable) 8x In/Out GPIO as RJ45 2x W-LAN Connectors 1x Mic-In & Ear-Out 1x DisplayPort
	Expansion Slots	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable)	2x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, W-LAN Antenna

HDMI W-LAN SUPERSPEED USB CERTIFIED USB UNIVERSAL SERIAL BUS +60°C -10°C

	Product Name	Box PC (Apollo Lake)	
	Article Code	IPCN3350W4G64G	IPCN4200W4G64G
	EAN Number	...	...
PC System	CPU / Chipset	Intel® Celeron™ DualCore N3350 / NUVOTON NCT6116D	Intel® Celeron™ QuadCore N4200 / NUVOTON NCT6116D
	Memory / Storage	1x 4GB DDR3L SODimm / 64GB SSD	1x 4GB DDR3L SODimm / 64GB SSD
	Audio	Realtek ALC3236 Audio CODEC	
	Network	2x Realtek PCIe GB LAN 8111G (1x optional with POE); W-LAN	
	Driver support / Pre-installed	Win10; Linux; 32Bit,64Bit / Ubuntu Linux	
Operation	IP rating	IP40	
	Operating temperature (°C)	-10 ~ +60	
	Net weight (kg)	2.20	
	Gross weight (kg)	3.20	
	Housing material	Aluminum	
	Case size (cm)	21.60 × 19.50 × 4.10	
	Mounting	VESA 100 / Screwhead holes (20×14 cm)	
Power	Power supply	100-240V ACDC active switching; 12V DC-Out	
	Working power (V)	12	
	Power consumption (W)	14	16
External Connectors	External connectors	2x COM port 3-PIN (RX, TX, GND; RS232) 1x 2.5" module slot, changeable SSD included 2x COM port Full-PIN (RS232; 5V/12V) 1x S/PDIF-Out (1x Cinch, 1x Torx module) 2x 10/100/1000Mbit RJ45 Ports 1x USB 3, 3x USB 2.0 ports 1x 12V DC-In (screwable) 8x In/Out GPIO as RJ45 2x W-LAN Connectors 1x Mic-In & Ear-Out 1x DisplayPort 1x LVDS 1x HDMI	2x COM port 3-PIN (RX, TX, GND; RS232/485 switchable) 1x 2.5" module slot, changeable SSD included 2x COM port Full-PIN (RS232/485 switchable; 5V/12V) 1x S/PDIF-Out (1x Cinch, 1x Torx module) 2x 10/100/1000Mbit RJ45 Ports 1x USB 3, 3x USB 2.0 ports 1x 12V DC-In (screwable) 8x In/Out GPIO as RJ45 2x W-LAN Connectors 1x Mic-In & Ear-Out 1x DisplayPort 1x LVDS 1x HDMI
	Expansion Slots	1x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector 1x M.2 E-key for wireless device	1x Mini Card slots with PCIe and USB interface (2x Full Height/Half height changeable) 1x PCIeX1 Straddle Connector 1x M.2 E-key for wireless device

*** Included in the delivery**
Power supply (see power section), Short Installation Manual, W-LAN Antenna

	Product Name	15.6" Interactive Mirror
	Article Code	FT156V40MIRROR
	EAN Number	6920734016815
LCD Panel	Screen diagonal (inch/cm)	15.6/39.6
	Display active screen (cm)	34.42×19.36
	Aspect ratio	16:9
	Physical resolution	1920×1080
	Maximum screen resolution	1920×1080
	Colors displayed	262K
	Brightness (cd/m²)	1000
	Contrast	800:1
	Typical reaction time Tr/Tf (ms)	15/15
	Viewing angle horizont./vertic. (°)	170/170
	Backlight lifetime (hours)	LED / 30,000
PC System	CPU / Chipset	Allwinner® V40 QuadCore / Cortex A7
	Memory / Storage	1x 1GB DDR3 / 8GB EMMC Flash
	Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier
	Network	10M/100M Network; W-LAN
	Driver support / Pre-installed	Android 6.0
Operation	IP rating	IP65
	Operating temperature (°C)	-10 ~ +60
	Net weight (kg)	5.65
	Gross weight (kg)	8.00
	Housing material	Mirrored Front, Aluminum Housing
	Case size (cm)	66.00 × 50.50 × 1.65
	Mounting	Screwhead Holes (38 × 54cm)
Power	Power supply	100-240V ACDC active switching; 12V DC-Out
	Working power (V)	8~18
	Power consumption (W)	20
Touch Panel	Touch technology	Projected Capacitive 10-Point Multitouch
	Touch connector	USB
	Touch life (contacts)	Unlimited
	Surface hardness	7H
External Connectors	External connectors	1x 8-18V DC-In (screwable)

*** Included in the delivery**
Power supply (see power section), Short Installation Manual

ANDROID

Mirror

W-LAN

+60°C

-10°C

Mounting Solutions

Product Name	VESA 75/100 Metal Stand	VESA 75/100 Wallmount		VESA 300/400 Kiosk Stand (with wheels)
Article Code	FTV100SF	FTWM100M	FTWM100MK	JKZJ3255
EAN Number	6920734093106	6920734093403	6920734093403	6920734093137

Specifications				
Range of Application	All faytech monitors and PCs of up to 21.5"	All faytech monitors and PCs of up to 21.5"		All faytech monitors and PCs between 32 - 55"
Length of base (cm)	19.00	11.50	11.50	60.00
Width of base (cm)	15.00	11.50	11.50	69.65
Total height (cm)	25.00	2.20	1.00	155.26
Material	Complete stand (metal) Screws and bolts (stainless steel) Corner modules (rubber)	Complete wallmount (metal) Screws and washers (stainless steel) Wall plugs (ABS-Plastic)		Complete kiosk stand (metal) ABS plastic wheels
Weight (kg)	5.00	3.00	2.50	55.00
Mounting	VESA 75 & VESA 100	VESA 75 & VESA 100		VESA 300 & VESA 400

Product Name	Clamp Supports	U-Profile Supports		
Article Code	JKPANELMOUNTTJ	FT100AM15EMB	FT100AM10	FT100AM1519
EAN Number	6920734091010	6920734091041	6920734091027	6920734091034

Specifications				
Range of Application	Cap TMs: 13.3 - 21.5" Cap TPCs: 10.1 - 21.5" Cap Emb TPCs: 13.3 - 21.5" Cap OF TMs: 7 - 55"	Cap Emb TPCs: 10 - 21.5" Cap TMs: 10 - 21.5"	Cap TPCs: 10.1 - 21.5" Res TPCs: 10"	Res TPCs: 15 - 19" Res IP65 HB TPCs: 15"
Length of base (cm)	5.90	30.80	23.80	33.20
Width of base (cm)	1.28	3.00	3.00	3.00
Total height (cm)	3.00	2.40	3.90	3.90
Material	PM4*30 screw (stainless) Clamp (stainless) Clamp part (ABS & stainless nut) Metal for CAP (SPECC)	Stainless Steel	Stainless Steel	Stainless Steel
Weight (kg)	0.50	1.85	1.50	2.15
Mounting	Clamp holes	Screw holes	Screw holes	Screw holes

Other Accessories

Product Name	Power Supply 12V/2A (screwable)	Power Supply 12V/3A (screwable)	Power Supply 12V/5A (screwable)	Power Supply 24V/9.2A (4-pin)
Article Code	FT12V5A230	FT12V3A230	FT12V5A230	FT24V9A230

Specifications				
Range of Application	Monitors & Embedded PCs until 10.1"	Monitors until 13.3" & PCs until 10.1" & Box PCs	Monitors & PCS until 21.5"	Monitors & PCs of 32"+
Supply voltage	100-240V AC 50-60 Hz 0.6A	100-240V AC 50-60 Hz 1.5A	100-240V AC 50-60 Hz 1.5A	100-240V AC 50-60 Hz 4.0A
Power	24W max.	60W max.	60W max.	221W max.
No load voltage consumption	< 0.3W	< 0.3W	< 0.3W	< 1.0W
Output voltage	12V DC	12V DC	12V DC	24V DC
Max. output current	2000 mA	3000 mA	5000 mA	1.07 billion
Cable length	1.40 m	2.60 m	2.60 m	2.00 m
Connector (dimensions)	2.50 x 5.50 mm (screwable)	2.50 x 5.50 mm (screwable)	2.50 x 5.50 mm (screwable)	4-pin connector with lock type
Temperature	-30 to +50 °C	-30 to +50 °C	-30 to +50 °C	-30 to +60 °C
Output voltage tolerance	± 10 %	± 10 %	± 10 %	± 3 %

Product Name	W-LAN Antenna	Resistive Touch Stylus
Article Code	FTWLANA	PJCMBH

Physical Properties		
Range of Application	All faytech PCs of up to 21.5"	All faytech resistive touch monitors and PCs
Material (cover)	TPEE	ABS plastic
Length (mm)	109	105
Diameter (mm)	7.90	4.10
Color	Black	Black
Operating / Storage temp (℃)	-20 ~ +70	-

Technical Specifications	
Frequency range (MHZ)	All faytech PCs of up to 21.5"
Impedance (Ω)	TPEE
VSWR	109
Admitted power	7.90
Polarization	Black
Radiation	-20 ~ +70
Connector type	-20 ~ +70

Consumer Products

The **Consumer Product line** is something entirely different from the target group and focus of the other product lines. Within this series the focus is on the products which can be used directly by any consumer, thus not only for the business section.

All products within this series have obtained CE, FCC and RoHS certifications, and have passed any requirements in order to be sold to the consumer market. The products within this series are reliable, easy-to-use and perfect to be used by any consumer.

The products can be easily purchased from one of faytech's distributors or from faytech directly. Currently, the series is limited to the LAPSCREEN, which can be used for any different kind of application for either businesses or private use.

LAPSCREEN

This lightweight portable monitor, also known as the LAPSCREEN, is the perfect solution for people that require an extra screen while doing their day-to-day activities. Whether you connect it to your mobile phone, tablet or laptop, it will be an easy and convenient way of extending (or duplicating) the screen of your smart device over USB Type-C or HDMI cable.

With a weight of only 350-400 gram and roughly similar measurements as an A4 paper / US letter, would this monitor work perfect for people on-the-go. There is currently a 10-point multi-touch version available, as well as a non-touch version, your solution for your needs! Whether you are on a businesstrip, with the need to give presentations in different locations, a student constantly working on different projects or just a casual traveller that needs an extra screen, the LAPSCREEN is the solution for you.

The monitor has a full HD LCD Panel with a thickness of less than 4mm and no bezel on the sides and top, it is invented by Michél Haese and exclusively produced by faytech. The LAPSCREEN is also referred to as the 3rd evolution of mobile computing right after the LAPTOP and SMARTPHONE, due to its innovative design and many application uses.

	Product Name	12.5" LAPSCREEN Monitor (no touch)	12.5" LAPSCREEN Touch Monitor
	Article Code	FT125MLSC	FT125TMLSC
	EAN Number	6920734012541	6920734012558
LCD Panel	Screen diagonal (inch/cm)	12.5/31.75	12.5/31.75
	Display active screen (cm)	27.60×15.60	27.60×15.60
	Aspect ratio	16:9	16:9
	Physical resolution	1920×1080	1920×1080
	Maximum screen resolution	1920×1200	1920×1200
	Colors displayed	16.7M	16.7M
	Brightness (cd/m²)	1000+	1000+
	Contrast	700:1	700:1
	Typical reaction time Tr/Tf (ms)	14/11	14/11
	Viewing angle horizont./vertic. (°)	178/178	178/178
	Backlight lifetime (hours)	LED / min. 15,000	LED / min. 15,000
Operation	IP rating	IP40	
	Operating temperature (°C)	0 ~ +60	
	Net weight (kg)	0.35	0.40
	Gross weight (kg)	1.10	1.15
	Housing material	Black powdered aluminum	Black powdered aluminum
	Case size (cm)	28.52 × 21.37 × 0.79	28.52 × 21.37 × 0.79
Power	Working power (V)	5-24	
	Power consumption (W)	4.5	5
Touch Panel	Touch technology	-	Projected Capacitive 10-point Multitouch (optically bonded)
	Touch panel driver	-	Windows; Linux; Mac; Android
	Touch life (contacts)	-	Unlimited
	Surface hardness	-	7H
	Surface treatment	-	Anti-glare (chemical etched)
External Connectors	External connectors	1x HDMI 1x USB Type-C - for Video (side connector) 1x USB Type-C - for Power (bottom connector)	

*** Included in the delivery**
USB Type-C Cable

Expertise

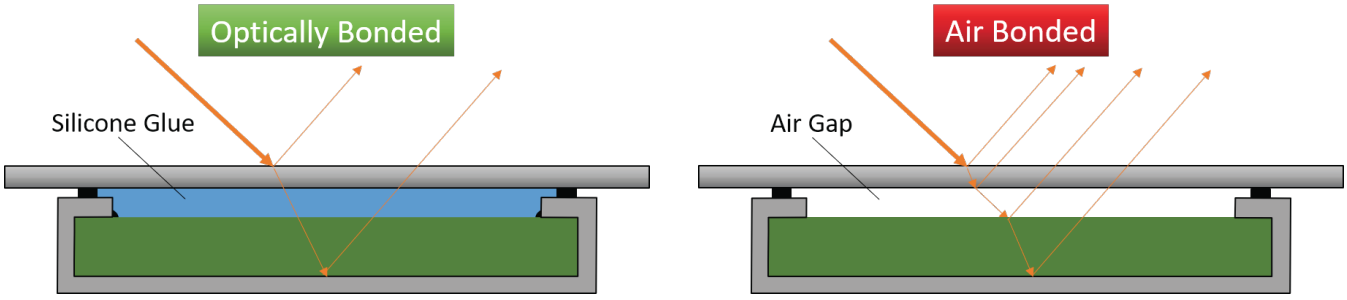
In order to provide the best quality for our customers, we make sure that all in-house processes are done within a clean and highly specialized environment, in order to provide the best quality to our customers.

Besides this, all components received from our suppliers has to meet certain inspection criteria before being used in any of the faytech devices. This includes, but is not limited to the glass panels, LCD panels and casing.

The **Expertise** of faytech is to provide the best display quality, including the optical bonding possibility. This in combination with the customization options provided to our customers makes our packages one of the most competitive within this industry.

Optical Bonding Expertise

One very important part of faytech's unique selling point is the in-door optical bonding. Optical bonding is the process of filling up the airgap between the cover glass and LCD cell to increase the quality of the device. faytech uses silicone-based adhesive with the best properties available to date for this process. There are many advantages of touch devices which are optically bonded with silicone glue compared to the non-optical bonded versions.



Advantages of Optical Bonding

- **Reduce the reflection**
  Every time light enters a material with a different refraction index, about 4% of the light will get reflected, with the silicone glue in between, this refraction does not occur at this position. In general, optical bonding can potentially reduce reflections by about 65%.

- **Increase the overall brightness**
  Light which comes from the backlight must go through the cover glass, this causes internal reflections of the light. With the optically bonded units, this reflection does not occur, thus increasing the brightness of the display by 10%.

- **No fogging or dust within the display**
  If a device is not optically bonded, there is always a small air gap between the cover glass, touch panel and LCD panel. Within this gap condensation could occur due to deviations in temperature or air pressure, especially when the system is sealed and unable to circulate air. The same problem could occur with dust in the system for devices that do not require an airtight sealing. With optical bonding, this would not be possible, because the air gap is filled with the silicone glue.

- **Ruggedizing of the display**
  Filling the air gap with silicone gives additional strength to environmental forces which otherwise could break the glass. At the same time the silicones elasticity is still able to absorb the shocks.

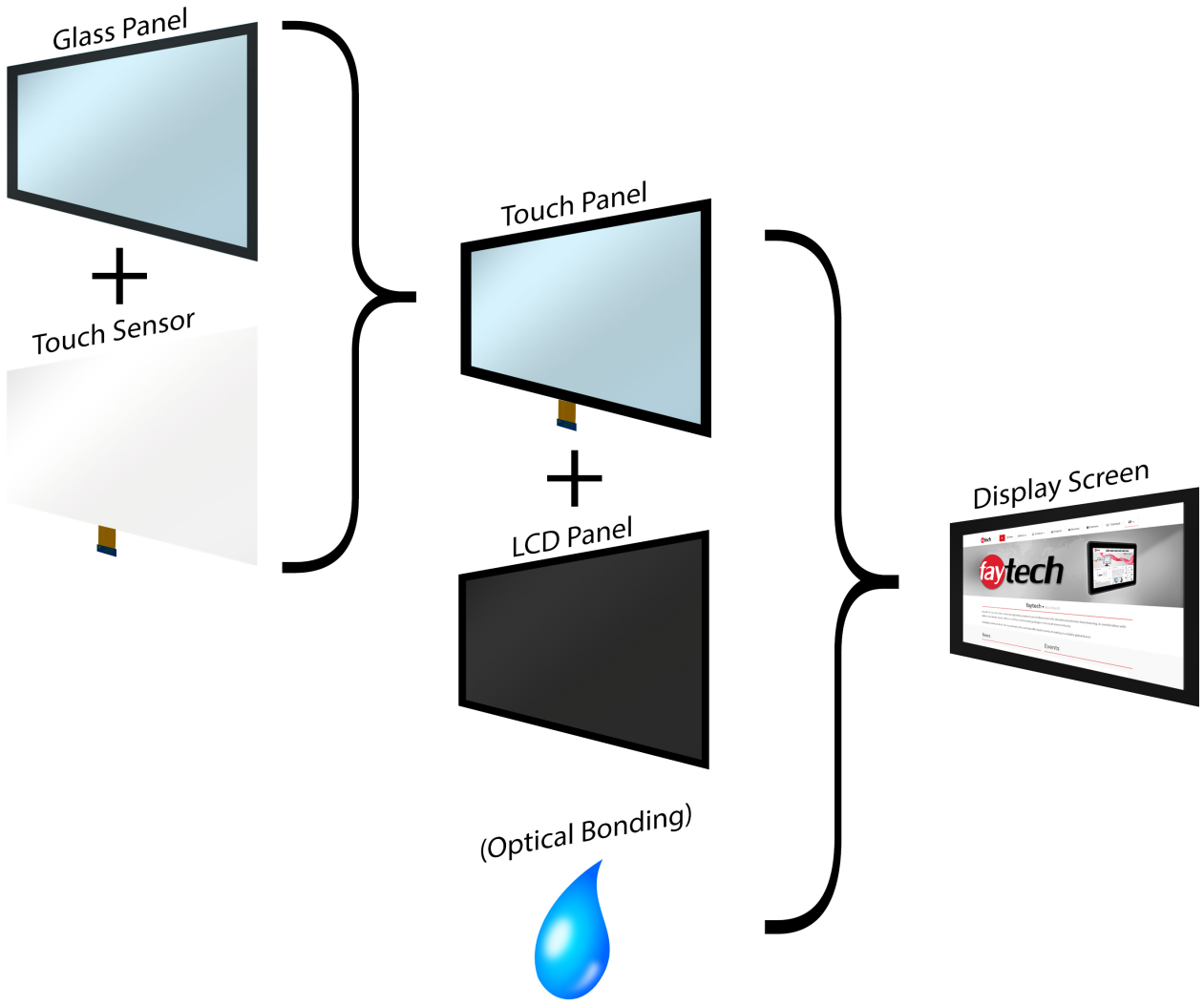
faytech's Display Quality

In order for faytech to provide the best quality products to the customers, we make sure the entire supply chain is controlled. Each single component is precisely selected and thoroughly inspected in order to meet the highest quality standards in the market. This way faytech is able to only produce the best quality devices for the customers.

The quality of the screen is very important part of faytech's devices, thus also requires to meet certain criteria. On the following pages are texts and tables which explain the amount and size of cosmetic defects allowed in the components before it is being used for faytech's manufacturing process. These components include:

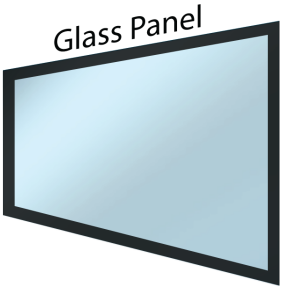
- Glass Panel
- Touch Panel
- LCD Panel

In order to fully understand the components used for the display screens of faytech devices, the process is visualized in the diagram below:



Glass Panel Inspection Criteria

The quality of the glass panels received from faytech's suppliers is inspected for several criteria, before being used. By thoroughly inspecting the glass quality, faytech ensures that the panels used for the production of the devices meet the highest standards possible. Below and on the next page is the inspection criteria for the glass panel summarized in two tables.



Glass Panel Inspection Criteria (7" - 32")

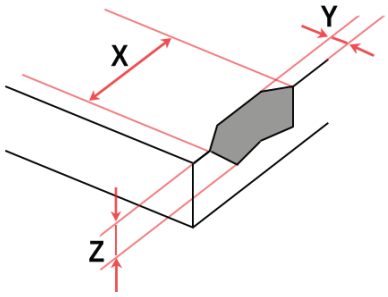
		7" – 12.5"	***13.3" – 32"***
Circular	***Acceptable defects***	D < 0.15mm 0.15mm ≤ D ≤ 0.30mm N ≤ 2	D < 0.15mm 0.15mm ≤ D ≤ 0.60mm N ≤ 2
	Unacceptable defects	D > 0.30mm	D > 0.60mm
		Bubbles, blotches or salient dots	
Line	***Acceptable defects***	W < 0.025mm 0.025mm < W ≤ 0.08mm N ≤ 2, L ≤ 2.0mm	W < 0.025mm 0.025mm < W ≤ 0.08mm N ≤ 2, L ≤ 5.0mm
	Unacceptable defects	W > 0.08mm	W > 0.08mm
		Scratches detectable with the finger	
Edge breakage	***Acceptable defects***	Reverse side: X ≤ 6.0mm, Y ≤ 1.0mm, Z ≤ ½ t	
	Unacceptable defects	Obverse side irregularities	
Angle breakage	***Acceptable defects***	Reverse side: X ≤ 0.5mm, Y ≤ 0.3mm, Z ≤ t	
	Unacceptable defects	Obverse side irregularities	
Cracks	***Unacceptable defects***	No cracks are allowed	
Glass Hardness	***Acceptable defects***	Pass if Hardness ≥ 7	
	Unacceptable defects	Fail if Hardness < 7	
Peak to peak printing	***Acceptable defects***	Visual area: W ≤ 0.06mm, other area: W ≤ 0.04mm N ≤ 2	
	Unacceptable defects	Visual area: W > 0.06mm, other area: W > 0.04mm	
Transmittance of printing area	***Unacceptable defects***	Light leakage is not allowed	
Dimensions	According to drawing of the individual product		
Transmittance	According to drawing of the individual product		
Glossiness	According to drawing of the individual product		
Ball drop test	Tests done according to drawing / individual product		

N = Number of defects
D = Diameter of circular defect
L = Length of line defect
W = Width of line defect
X = Length of breakage
Y = Width of breakage
Z = Thickness of breakage

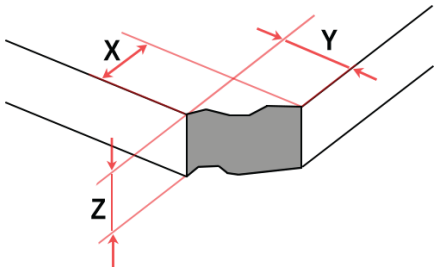
Glass Panel Inspection Criteria (42" - 86")

		42" – 55"	65" – 86"
Circular	***Acceptable defects***	D < 0.25mm 0.60mm ≤ D ≤ 1.00mm N ≤ 3	D < 0.35mm 1.00mm ≤ D ≤ 1.30mm N ≤ 4
	Unacceptable defects	D > 1.00mm	D > 1.30mm
Line	***Acceptable defects***	W < 0.05mm 0.05mm < W ≤ 0.08mm N ≤ 2, L ≤ 15.0mm	W < 0.05mm 0.05mm < W ≤ 0.13mm N ≤ 3, L ≤ 25.0mm
	Unacceptable defects	W > 0.10mm	W > 0.10mm
		Scratches detectable with the finger	
Edge breakage	***Acceptable defects***	Reverse side: X ≤ 6.0mm, Y ≤ 1.0mm, Z ≤ ½ t	
	Unacceptable defects	Obverse side irregularities	
Angle breakage	***Acceptable defects***	Reverse side: X ≤ 0.5mm, Y ≤ 0.3mm, Z ≤ 2/t	
	Unacceptable defects	Obverse side irregularities	
Cracks	***Unacceptable defects***	No cracks are allowed	
Glass Hardness	***Acceptable defects***	Pass if Hardness ≥ 7	
	Unacceptable defects	Fail if Hardness < 7	
Peak to peak printing	***Acceptable defects***	Visual area: W ≤ 0.06mm, other area: W ≤ 0.04mm N ≤ 2	
	Unacceptable defects	Visual area: W > 0.06mm, other area: W > 0.04mm	
Transmittance of printing area	***Unacceptable defects***	Light leakage is not allowed	
Dimensions	According to drawing of the individual product		
Transmittance	According to drawing / individual product		
Glossiness	According to drawing / individual product		
Ball drop test	Tests done according to drawing / individual product		

N = Number of defects
D = Diameter of circular defect
L = Length of line defect
W = Width of line defect
X = Length of breakage
Y = Width of breakage
Z = Thickness of breakage

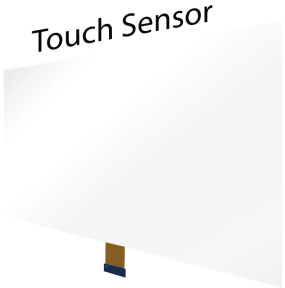


Edge breakage visualized



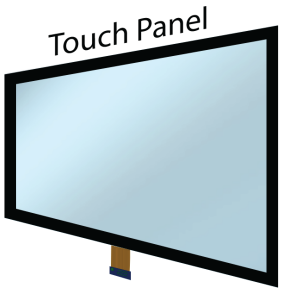
Corner breakage visualized

Should any of the standards for the inspection criteria not be met, then the glass panel will not pass the quality inspection and thus will not be used for any of faytech's devices. However, if it passes, the touch sensor is applied to the glass panel and in combination will become the touch panel.



Touch Panel Inspection Criteria

The touch sensor will be inspected thoroughly once it is combined with the glass panel. This is to make sure both the attachment process and the sensor itself is of the highest quality. Below and on the next page is the inspection criteria for the touch panel summarized in two tables.



Touch Panel Inspection Criteria (7" - 32")

		7" – 15"	15.6" – 32"
Circular	***Acceptable defects***	D ≤ 0.15mm 0.15mm ≤ D ≤ 0.30mm N ≤ 4 0.40mm ≤ D ≤ 0.60mm N ≤ 2	D ≤ 0.30mm 0.40mm ≤ D ≤ 0.60mm N ≤ 8
	Unacceptable defects	D > 0.60mm	D, > 0.60mm
		2 defects within a 50mm diameter area	
		Point-like defects found within 5 seconds of observation	
Line	***Acceptable defects***	W ≤ 0.05mm, L ≤ 2mm 0.05mm < W ≤ 0.15mm, 2 ≤ L ≤ 10mm, N ≤ 4	W ≤ 0.05mm, L ≤ 2mm 0.05mm < W ≤ 0.15mm, 2 ≤ L ≤ 10mm, N ≤ 8
	Unacceptable defects	W > 0.15mm	W > 0.15mm
		Point-like defects found within 5 seconds of observation	
Edge / corner breakage	***Acceptable defects***	Reverse side: X < 1.5mm, Y ≤ 1.5mm, Z < ½ t	
	Unacceptable defects	If breakage affects silver printing	
Cracks	***Unacceptable defects***	No cracks are allowed	
Surface dirt / prints	***Unacceptable defects***	Fingerprints & surface dirt is not allowed	
Warpage	***Acceptable defects***	WA ≤ 0.30mm (for 2.80mm cover glass) WA ≤ 0.50mm (≤ 2.00mm cover glass)	
	Unacceptable defects	WA > 0.30mm (2.80mm cover glass) WA > 0.50mm (≤ 2.00mm cover glass)	
FPC defects	***Unacceptable defects***	Sharp creases, burrs, wavy edges and oxidation is not allowed	
Etched grain	***Unacceptable defects***	Etched grain visibility under natural light is not allowed	
Adhesive / glue	***Unacceptable defects***	Leakage of insulating glue in not allowed	
		Sealing adhesive being higher than FOG glass is not allowed	
Dimensions	According to drawing of the individual product		

N = Number of defects
D = Diameter of circular defect
L = Length of line defect
W = Width of line defect
X = Length of breakage
Y = Width of breakage
Z = Thickness of breakage
WA = Warpage of glass

Touch Panel Inspection Criteria (42" - 86")

		42" – 55"	65" – 86"
Circular	***Acceptable defects***	D ≤ 0.60mm D ≤ 1.00mm N ≤ 10	D ≤ 1.30mm 1.30mm ≤ C ≤ 1.50mm N ≤ 12
	Unacceptable defects	D > 1.00mm	D > 1.50mm
		2 defects within a 50mm diameter area	
		Point-like defects found within 5 seconds of observation	
Line	***Acceptable defects***	W ≤ 0.05mm, L ≤ 2mm 0.05mm < W ≤ 0.15mm, 2 ≤ L ≤ 10mm, N ≤ 4	W ≤ 0.05mm, L ≤ 2mm 0.05mm < W ≤ 0.15mm, 2 ≤ L ≤ 10mm, N ≤ 8
	Unacceptable defects	W > 0.15mm	W > 0.15mm
		Point-like defects found within 5 seconds of observation	
Edge / corner breakage	***Acceptable defects***	Reverse side: X < 1.5mm, Y ≤ 1.5mm, Z < ½ t	
	Unacceptable defects	If breakage affects silver printing	
Cracks	***Unacceptable defects***	No cracks are allowed	
Surface dirt / prints	***Unacceptable defects***	Fingerprints & surface dirt is not allowed	
Warpage	***Acceptable defects***	WA ≤ 0.30mm (for 2.80mm cover glass) WA ≤ 0.50mm (≤ 2.00mm cover glass)	
	Unacceptable defects	WA > 0.30mm (2.80mm cover glass) WA > 0.50mm (≤ 2.00mm cover glass)	
FPC defects	***Unacceptable defects***	Sharp creases, burrs, wavy edges and oxidation is not allowed	
Etched grain	***Unacceptable defects***	Etched grain visibility under natural light is not allowed	
Adhesive / glue	***Unacceptable defects***	Leakage of insulating glue in not allowed	
		Sealing adhesive being higher than FOG glass is not allowed	
Dimensions	According to drawing of the individual product		

N = Number of defects
D = Diameter of circular defect
L = Length of line defect
W = Width of line defect
X = Length of breakage
Y = Width of breakage
Z = Thickness of breakage
WA = Warpage of glass

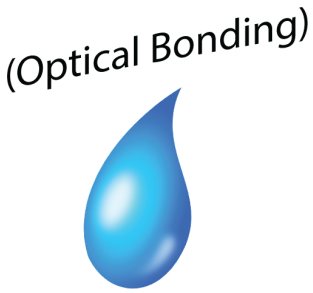
LCD Panel Inspection Criteria

The LCD panels purchased from faytech's suppliers are also inspected thoroughly, and no other than A+ quality is allowed. faytech ensures that the LCD panels used within the devices are of the best quality in the market.

Each LCD panel size being used by faytech has their own inspection criteria regarding the pixel defects. For sizes up to 10.1" faytech guarantees no pixel defects, while the larger sized each have their own criteria to pass the inspections. Specific LCD panel criteria can be acquired by requesting it for the specific size you wish to use for the project.

Optically Bonded / Non-Optically Bonded

After the touch panel and LCD panel passed all the tests and criteria, it moves on to the next stage to be combined together into the display screen. This process can be either done with or without the silicone glue, thus resulting in either an optically bonded device or a non-optically bonded device.



faytech's own silicone glue formula is used to optically bond the selected device. This glue is specifically designed for this purpose in order to meet the highest industry standards in the market.

Display Screen

After this process of combining the touch panel with the LCD panel a final quality control check is performed to make sure the final result is an A+ quality panel.

Once this is done, the display screen can be assembled into our renowned faytech devices according to standard specifications or customized projects to meet the customer's requirement.

Inspection of an 86" optically bonded display screen

Customization Options

faytech is able to custom design and produce any touch device for your project. All the standard products currenty provided by faytech can be customized on request to fit your specific requirements. Whether you need a resistive or capacitive touch device, we are able to modify the device to your needs. faytech is able to utilize the strong manufacturing capabilities, experienced engineers and extensive portfolio of completed projects in order to provide the best results for your specific project.

Customization options are possible, these include but are not limited to customizing the case design, case color, connectors, cables, buttons, brightness, touch panel and mainboard. Peripherals can also be added to the device and can be integrated within the case if requested, some examples are GPS, smart card readers, cameras, RFID readers, payment systems, printers and many more.

Besides this, all of faytech's standard PCs can be upgraded to fit a more powerful mainboard inside. The mainboards available at faytech are the following:

- Allwinner® V40 Cortex™ A7 QuadCore
- Intel® Celeron® Dualcore N3350, with 2x 2.40 GHz
- Intel® Pentium® Quadcore N4200, with 4x 2.50 GHz
- Intel® Core™ i3-7100U Processor, with 2x 2.40 GHz, 3M
- Intel® Core™ i5-7300U Processor, with 2x 2.60 GHz, 3M
- Intel® Core™ i7-7600U Processor, with 2x 2.80 GHz, 4M

Customization examples

7" IP65 Touch Monitor with RFID

- Customized IP65 case
- E24 certified for motor vehicles
- All-In-One IP65 cable
- 5 customized buttons on the front
- RFID reader
- Integrated Camera
- Extended voltage input 8~36V

IBox Touch

- Customized white aluminum Case
- Medical certified (EN 60601-1)
- Customized video connectors
- Customer's branding applied
- Intermediate storage