



Embedded Box PC

BPCWL03

FANLESS WHISKEY LAKE BOX-PC

WITH WIDE-RANGE OPERATING TEMPERATURE



FANLESS



WIDE TEMP RANGE



FLEXIBLE I/O CUSTOMIZATION KIT



WIDE RANGE VOLTAGE SUPPORT (OPTIONAL)

The BPCWL03 is a compact fanless embedded computer with an onboard Intel® Whiskey Lake-U Core processor that brings powerful computing performance for 4K resolution graphics, fast speed responsiveness, and large memory capacities up to 64GB. Considering the wide temperature requirements of industrial and outdoor environment needs, it supports a wide range of temperatures from -20° C to +60°C and can be operated stably under harsh operating conditions.

Designed with two Intel® Gigabit LAN, four USB3.2Gen1, three RS-232 ports, and four USB 2.0 to accommodate diverse peripheral connections. The BPCWL03 is built-in one M.2 2280 Type M and one M.2 2230 Type E slots to install M.2 SSD and a WiFi card or other compatible devices, proving a strong expansion capacity. The BPCWL03 can support dual independent displays via HDMI1.4 interfaces. It also provides customized options of additional COM port and display output for the possible needs of diverse display signals of DVI-I, DisplayPort, or VGA. It is suitable to be used in semi-outdoor and outdoor digital signage, kiosk, industrial automation, gaming machine and so on.

FEATURES

- ▶ Based Intel® Whiskey Lake-U/UE Processors
- ▶ Fanless thermal and robust aluminum chassis
- ▶ Supports wide temperature of -20° C to +60°C
- ▶ Multiple mounting supports : VESA, Ear Mount, DIN-rail
- ▶ Dual independent display via HDMI outputs
- ▶ Built-in Intel® i211 and i219 Dual Gigabit LAN



Outdoor Information Kiosk



Ticketing Kiosk

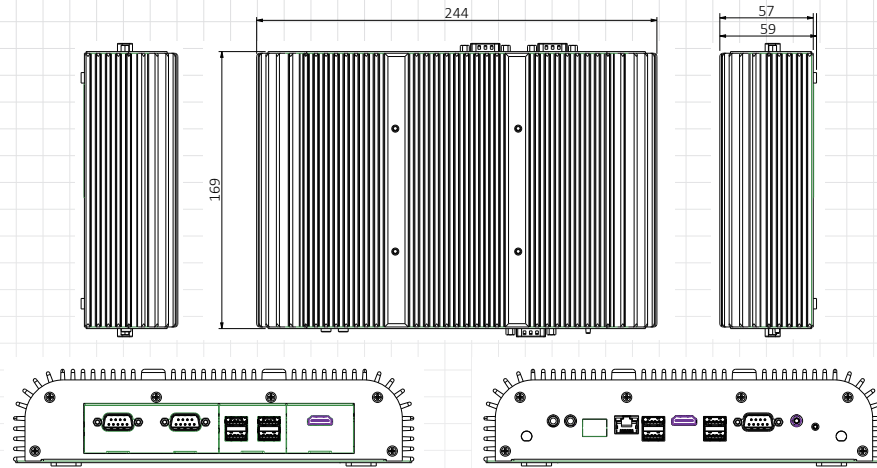


Drive-Thru Service



Gaming Machine

Dimensions



Specifications

System			
CPU	8th Gen. Intel® Whiskey Lake Core i3-8145UE (default) Optional: i5-8265U, i5-8365UE, i7-8565U, i7-8665UE, Celeron® 4305UE		
Memory	2 x 260 pin SO-DIMM up to 64GB Dual Channel DDR4 2400MHz		
BIOS	AMI UEFI 64 Mbit		
Graphics			
Chipset	Intel UHD Graphics	Display Interface	2 x HDMI 1.4b : 4096 x 2160@30Hz Supports dual displays
Storage			
Internal	1 x M.2 2280 M key (PCIe NVMe / SATA)		
Audio			
Audio Codec	Realtek ALC662 2-channel		
Network			
Ethernet	2 x Intel® Gigabit LAN		
WLAN	Realtek RTL8821CE 802.11a/b/g/n/ac + Bluetooth 4.2 WLAN card M.2 2230 E key (Optional) External antenna (Dipole) x2 (Optional)		
I/O Interface			
LAN	2 x RJ-45 (10/100/1000Mbps)		
Serial Ports	1 x RS-232 (DB-9) 2 x RS-232/422/485 (DB-9) (RS-232 with power supply: ring in/ 5V (standard) & 12V (with specific optional board))		
USB	4 x USB3.2 Gen 1 (Type A) 4 x USB2.0	Audio	1 x Line-out 1 x Mic-in
Power			
Type	Standard: 19V / Support Wide 9-36V DC-input (Optional)		
Adapter	19V/7.89A 150W external adapter		
Watchdog Timer			
Watchdog	Support watchdog		
OS Support			
OS Support	Windows 10 Embedded 64bit / Linux 64bit		
Mechanism			
Mounting	VESA Mount 75 x 75 mm Ear Mount 256 x 100 mm Din Rail	Dimension (WxHxD)	245 x 169 x 57 mm
		Weight	2.85kg
Environment			
Operating Temperature	-20°C ~ 60°C	Relative Humidity	20% - 80% RH (non-condensing)
EMC	CE, FCC, VCCI, RCM	Safety	CB, cTUVus