



Features

- Industrial-grade 18.5" FHD LCD panel with 50k backlight lifetime
- Optical bonding PCAP multipoint touch screen
- 6th Gen Intel® Skylake Core™ i5-6200U dual-core 2.3GHz processor
- 1 x DDR4 SDRAM, max.32GB, 1 x mSATA SSD
- M12 I/O ports: 2 x LAN / 2 x USB / 1 x COM
- Full device IP66/IP69K with Stainless Steel SUS304/316 construction
- Wide Operating Temperature -20°C to 70°C
- 12V to 24VDC Wide Range Power Input

Specifications

System	
CPU	6th Gen Intel® Skylake Core i5-6200U Dual Core 2.3GHz , TDP 15W
L2 Cache	3.0MB
System Chipset	Integrated with Intel® SoC
Memory	1 x DDR4L 2133MHz 4GB, Up to 32GB
Harddisk	1 x mSATA 128G SSD / (256G / 500G / ITB SSD) optional
Graphics	Intel HD Graphics 520
Network	Intel® I211-AT GbE LAN
Audio	Realtek ACL662 Audio controller
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset
Operation System	Windows 7 / 8 / 10 , Linux, Ubuntu
I / O	
VIDEO	1 x H-DMI (Optional)
Ethernet	2 x M12 Waterproof Giga LAN RJ45 Connector
USB	2 x M12 Waterproof Connector For USB2.0
COM	1 x M12 Waterproof Connector For COM
Wireless Network	Optional (WiFi / Bluetooth / 4G)
Other I/O Interface	1 x Power Switch
Expansion	
mPCe	1 x mPCe (PCIe+USB, Wifi+BT+4G)
SIM Socket	1x SIM Socket
Display	
LCD Size	18.5" (16:9)
Resolution	1920 x 1080 (FHD)
Brightness (cd/m ²)	350 cd/m ²
Contrast Ratio	1200:1
Backlight MTBF	50000 Hr (min.)
Viewing Angle	85 / 85 / 85 / 85 (CR≥10) (L / R / U / D)
Touch screen	
Touch Type	Optical bonding PCAP Touch
Surface Hardness	≥7H

Power	
Power Adapter	1 x M12 Waterproof Connector AC/DC 12V/5A , 60W Optional
Power Input	1 x M12 Waterproof Connector For 12V~24V DC
Power Consumption	≤40W
Physical	
Material	Inox / SUS304 / SUS316 (Optional)
Mounting	Stand / Wall / VESA / Yoke
Dimension (W x H x D)	464 x 285 x 45 mm
Packing Size	500 x 180 x 450 mm
Weight (Net)	8.8 KG
Environment	
Operating Temperature	-20~70°C (-4~158°F)
Storage Temperature	-30~80°C (-22~176°F)
Relative Humidity	5%~95%@40°C, non-condensing
Vibration Protection	1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
IP Level	IP66 / IP69K
EMC	CE, FCC, Class A, ROHS

Dimension & I/O

The technical drawing includes three views of the device: a front view showing a 18.5" fanless display with a diagonal of 18.5" (FHD), a side view showing a thickness of 45.00 mm and two M5.0 mounting holes, and a top view showing the I/O panel layout. The top view labels ports A through H with dimensions of 100.00 mm between them.

I / O Definition:

A: Power Button	B: Breather Valve
C: COM (optional)	D: USB (optional)
E: USB (optional)	F: LAN (optional)
G: LAN (optional)	H: DC 12V~24V

Product Dimensions: 464 x 284.6 x 45 mm (18.27 x 11.2 x 1.77 in)

Ordering info

Available models	Description
WPC-P185WDC	18.5" Fanless Stainless Steel HM 6th Gen Intel® Skylake Core i5-6200U 2.3GHz Processor With Capcice touch

Packing list

1 x Standard product
1 x 60W PSU (Power Supply)
2 x M12 Waterproof LAN Cable 2M
2 x M12 Waterproof USB Cable 2M
1 x M12 Waterproof COM Cable 2M