

# PCW8185

18.5" wide temp panel PC with the Intel Tigerlake-UP3 Core i7/i5 processor, 1 x removable 2.5" storage bay, P-CAP touch screen, 4 x USB + 2 x GbE LAN + 1 x DP + 4 x COM, IP65 rated flat-front aluminum bezel, and -40°C to 70°C wide range working temperature.

- ▶ 18.5" industrial PCAP touch panel PC
- ▶ Support Full HD (1920 x 1080) resolution
- ▶ Intel Tigerlake-UP3 Core i3 / i5 / i7 processors
- ▶ 1 x removable 2.5" HDD/SDD tray
- ▶ 4 x USB, 2 x GbE LAN, 1 x DP, 4 x COM, 1 x Audio Out
- ▶ IP65 compliant flat front aluminum bezel
- ▶ -40°C to 70°C wide range working temperature
- ▶ Supports Panel or VESA mounting
- ▶ 12~24VDC wide range power input



## Description

The PCW8185 is an 18.5" wide temperature touch panel PC supporting a 1920 x 1080 display resolution, Projected Capacitive touch screen technology, and a bezel-free fanless design. Powered by the 11th Gen Intel Tiger Lake-U Core i5/i7 processors, it supports up to 32GB DDR4 memory, one M.2 slot, and one removable 2.5" HDD/SDD tray. The panel PC features an IP65-rated flat-front aluminum bezel and a wide working temperature range of -40°C to 70°C (-40°F to 158°F).

## Technical Specifications

SPECIFICATION	VALUE
<b>Construction</b>	IP65 rated aluminum front bezel Metal case with bezel-free design
<b>LCD Panel</b>	Size: 18.5" TFT LCD Max. Resolution: 1920 x 1080 Brightness (cd/m <sup>2</sup> ): 350-nits Option for 1000-nits high brightness Contrast Ratio (typ.): 1000:1 Viewing Angle (H/V): 178° x 178° Colors: 16.7M MTBF (hrs): 30,000

*Specifications subject to change without notice.*

<b>Touch Screen</b>	Projected Capacitive touch screen – USB Light Transmission: 90%
<b>System</b>	CPU: Intel Tigerlake-UP3 i3/i5/i7 processors Memory: 2 x DDR4 SO-DIMM, up to 64GB Storage: 1 x 2.5" Storage Bay & 1 x M.2 B-key 2260 Socket
<b>Expansion Slot</b>	1 x M.2 B-key 2242/3042 (SATA 3.0, PCIe x 1, USB 2.0) 1 x M.2 E-key 2230 (PCIe x 1, USB 2.0)
<b>External I/O Ports</b>	4 x USB 3.2 Gen2 Ports 2 x RJ45 GbE LAN (Intel® I225-LM supports 2.5GbE LAN) 1 x Display Port 4 x RS-232/422/485 1 x Audio Out 1 x Power Press Button 1 x 3-Pin Terminal Block for Power Input
<b>Power Supply</b>	DC 12~24V power input
<b>Mounting</b>	VESA mount (75 x 75 / 100 x 100) M4 Screw Hole
<b>Weight</b>	32.6 lb / 14.8 kg (estimated)
<b>Dimension</b>	17.7"(W) x 10.8"(H) x 3.3"(D)
<b>Environmental</b>	Operating Temperature: -40°C to 70°C Storage Temperature: -40°C to 70°C Humidity: 10~90% @40°C, non-condensing Vibration: MIL-STD-810H, Method 514.8, Procedure I (Compliance) Shock: MIL-STD-810H, Method 516.8, Procedure I (Compliance)
<b>Operating System</b>	Windows 10 IoT Enterprise LTSC
<b>Compliance</b>	CE, FCC

## Request a Quote or Learn More

Contact us at [info@acnodes.com](mailto:info@acnodes.com) or call (909) 597-7588

[www.acnodes.com](http://www.acnodes.com)