PCW8190

19" wide temp touch panel PC with the Intel Tigerlake-UP3 Core i5-1145GRE processor, 1 x removable 2.5" storage bay, 4 x USB + 2 x LAN + 2 x DP + 4 x COM, IP65 rated aluminum front bezel, and -40°C to 70°C wide range working temperature.

- 19-inch 1280 x 1024 industrial LCD monitor
- Projected Capacitive type touch screen - USB
- Intel Tigerlake-UP3 Core i5-1145GRE processor
- 4GB DDR4 memory (Up to 32GB) & 120GB SSD
- 1 x removable 2.5" HDD/SDD tray
- 4 x USB, 2 x GbE LAN, 2 x DP, 4 x RS-232/422/485, 1 x Audio
- -40°C to 70°C wide range working temperature
- IP65 rated flat front aluminum bezel
- Supports Panel or VESA mounting
- 9~55V DC wide-range power input

Description

The PCW8190 is a 19" wide temperature touch panel PC supporting a 1280 x 1024 display resolution, Projected Capacitive touch screen technology, and a bezel-free fanless design. Powered by the 11th Gen Intel Tigerlake-UP3 Core i5-1145GRE processor, 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
Construction	Aluminum front bezel and metal case
LCD Panel	Size: 19" TFT LCD Max. Resolution: 1280 x 1024 Brightness (cd/m²): 350-nits Option for 1000-nits high brightness Viewing Angle (H/V): 170° x 160° Colors: 16.7M MTBF (hrs): 30,000
Touch Screen	Projected Capacitive touch screen – USB

Specifications subject to change without notice.

Light Transmission: 90%

System	CPU: Intel Tigerlake-UP3 Core i5-1145GRE Memory: 1 x DDR4 SO-DIMM, up to 32GB Storage: 1 x 2.5" Storage Bay & 1 x M.2 B-key 2260 Socket
Expansion Slot	1 x M.2 B-Key 3042/3052 1 x M.2 E-key 2230
I/O Ports	4 x USB Ports 2 x RJ45 GbE LAN 2 x Display Port 4 x RS-232/422/485 1 x Audio 1 x Power Press Button 1 x 3-Pin Terminal Block for Power Input
Power Supply	DC 9~55V power input
Mounting	VESA mount (75 x 75 / 100 x 100) M4 Screw Hole
Weight	TBD
Dimension	16.6"(W) x 13.8"(H) x 3.3"(D)
Environmental	Operating Temperature: -40°C to 70°C Storage Temperature: -40°C to 70°C Humidity: 10~90% @40°C, non-condensing Vibration: 1.5 Grms @10~500Hz IP Rating: Front Panel IP65 Compliance: FCC, CE
Operating System	Windows 10 IoT Enterprise LTSC

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