

Model: PPC-319WN
18.5" Fanless Panel PC with Intel® processor (11th to 12th Gen.)

Main Feature

- LED Panel - Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption ...
- 18.5" Full HD LED Panel support 1920x1080 pixels, true-Flat TFT LCD Projected capacitive touch
- Intel 11th to 12th Generation Intel® N5100 to Core™ i5 1235U / i7 1255U
- Aluminum Magnesium Alloy front bezel
- NEMA4 / IP 65 compliant front panel, with Rugged construction design
- Support TPM2.0 hardware security
- 2 x COM port, COM2 supports RS232/485
- WIFI Module with Antenna and Blue Tooth
- Panel (Flush) mounting with clip
- Meet standard VESA hole (75 x 75 & 100 x 100mm), support desk top stand / wall mount / swing arm mounting



Application: Factory Automation, Processor Automation, Power Generation, Marine / Offshore Industrial, Kiosk ...

Specification	
Product Model	PPC-319WN
CPU	Intel® Celeron™ N5100 Processor (Quad Core, 2.8GHz, 4M Cache) Optional (i5 - 1235U and i7 - 1255U)
Chipset	Intel® SOC integrated
Memory	8GB included
Storage	1 x M.2. 2280 NVME, 128GB SSD included
Display	Display Type : 18.5" Full HD LED Panel LCD Resolution : 1920 x 1080 Luminance : 250 nit View Angel : 170° (H), 170° (V)
Audio	MIC and Line-Out
LAN	2 x Intel® i210 GbE LAN (Or Realtek 8111E)
USB port	2 x USB 2.0 and 2 x USB 3.0
Display output	Intel® UHD Graphics, Max. resolution @ 4K, with HDMI 2.0 output
Expansive interface	1 x M.2 (4G Module)
Back panel I/O port	2 x RJ45, 4 x USB 2.0/3.0, 1 x HDMI, 1 x Lin-out / MIC, 2 x COM, 1 x Power Switch, DC input terminal (12-24VDC)
Power Supply	Input: 100-240VAC, 50/60Hz; Output: DC 12V/ 4A adapter
Supporting OS	Windows 7/10/11; Linux

Hardware Security	TPM 2.0
Touch Screen	Internal USB interface controller - Projected Capacitive Multi Touch (10 points) Light transmission: 85% or more Surface hardness : 7H Operation system : Windows XP / 7 / 10 / 11; Linux
Wireless LAN & BT	M.2 WIFI Module with Antenna, Blue tooth 5.1
Construction	Heavy duty steel and aluminum front panel
Environment	Operating temperature: -20 °C to 60 °C Storage temperature: -30 °C to 80 °C Storage humidity: 10% to 90% non-condensing Vibration operate SSD: 3 Grms, IEC 60068-2-64, random, 5-500 Hz, 1 hr/axis Shock operate SSD: 30 G, IEC 60068-2-27, half sine, 11 ms duration
Compliance	CE; FCC; ROHS
Dimension W x H x D (mm)	450 x 280 x 55
Ordering Information:	
PPC-319WN	18.5" Fanless Panel PC with Intel® Celeron™ N5100 Processor
(Optional) i5 - 1235U	upgrade processor to Intel® Core™ i5 - 1235UU (10 x Cores, up-to 4.4GHz, 12M Cache)
(Optional) i7 - 1255U	upgrade processor to Intel® Core™ i7 - 1255UU (10 x Cores, up-to 4.7GHz, 12M Cache)
(Optional) RAM	Update to 16 to 64GB RAM
(Optional) SSD / HDD	Update to 256 to 2TB SSD
(Optional) OS	Windows 7 / 10 / 11 Pro. or IoT Enterprise, Linux

Structure Diagram

