

18.5" Industrial Touch Panel PC with Intel® Core™ U-Series / Celeron® Processor

Overview

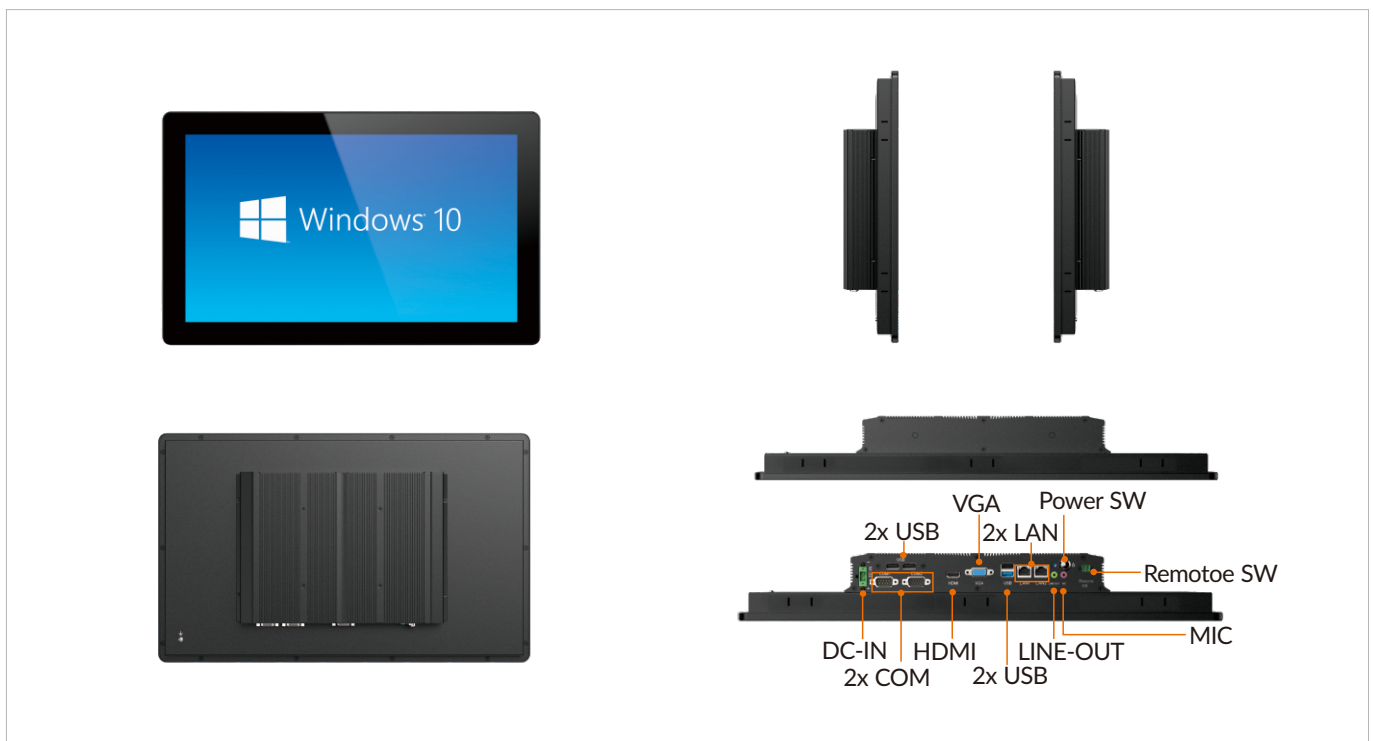
The DPC-9185 series is an 18.5" fanless industrial panel PC based on the Intel® Core™ U-Series / Celeron® processor. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The DPC-9185 series offers low-power consumption, rich I/O connectivity, and Wi-Fi module expansion. It boasts a sleek design with an IP65 aluminum alloy front panel and a durable metal body, offering superior heat dissipation and high reliability for operation in harsh industrial environments. The DPC-9185 series is an excellent HMI platform for industrial applications and factory automation.

Features

- 18.5" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Core™ U-Series / Celeron® processor
- 2 x COM, 4x USB, 2x LAN, 1x VGA, 1x HDMI
- Supports Wi-Fi, 4G
- VESA 100 mount and panel mount compatibility
- IP65 compliant front panel



I/O Interfaces



Specifications

| Display | DPC-9185-J6412 | DPC-9185-6200U | DPC-9185-10210U | DPC-9185-10710U |
|-------------------------|---|--|---|---|
| Size | 18.5 inch | | | |
| Touch Type | Projected capacitive multi touch 5-wire resistive touch | | | |
| Transmittance | 87% (capacitive) / 80% (resistive) | | | |
| Control Interface | USB | | | |
| Surface Hardness | ≥7H/≥3H | | | |
| Resolution | 1920 x 1080 | | | |
| Luminance | 300 nits | | | |
| Contrast Ratio | 1000: 1 | | | |
| View Angles | 85 (left), 85 (right), 85 (up), 85 (down) | | | |
| LED Lifetime | 30,000 hrs | | | |
| Color | 16.7M | | | |
| System | | | | |
| CPU | Intel® Celeron® J6412 (2.0 GHz) processor | Intel® Core™ i5-6200U (2.3 GHz) processor | Intel® Core™ i5-10210U (1.6 GHz) processor | Intel® Core™ i7-10710U (1.1 GHz) processor |
| Memory | 1 x SO-DIMM DDR4- 3200MHz, up to 16GB | 2 x SO-DIMM DDR3- 1600MHz, up to 16GB | 2 x SO-DIMM DDR4- 2666MHz, up to 32GB | 2 x SO-DIMM DDR4- 2666MHz, up to 32GB |
| Storage | 1 x 2.5" SATA HDD/SSD (optional) 1 x full length Mini PCIe for mSATA SSD | | | |
| I/O Ports | | | | |
| USB | 2 x USB 3.0, 2x USB 2.0 | | | |
| Serial | 2 x COM (COM1 supports RS-232, COM2 supports RS-232/422/485) | | | |
| Ethernet | 2 x GbE LAN | | | |
| Display | 1 x HDMI, 1x VGA | | | |
| SIM Card Slot | 1 x SIM slot for 4G (optional) | | | |
| Antenna | 2 x SMA antenna holes | | | |
| Expansion Slot | | | | |
| Mini PCIe | 1 x full length Mini PCIe for Wi-Fi 1 x full length Mini PCIe for mSATA | | | |
| RF Communication | | | | |
| Wi-Fi | Mini PCIe expansion (optional) | | | |
| Cellular | Mini PCIe expansion (optional) | | | |
| Bluetooth | Mini PCIe expansion (optional) | | | |
| Audio | | | | |
| Audio | Mic in, line out | | | |
| Speaker | 2Ω5W speaker (optional) | | | |
| Power | | | | |
| Button | YES | | | |
| Remote Power On/Off | 1 x Remote switch connector | | | |
| DC Input | 12VDC (9-36VDC optional) | | | |
| Power Connector | M8 | | | |
| Power Consumption | 23W | 29W | | |
| Power Adaptor | AC-DC, 12V@5A, 60W | | AC-DC, 12V@7A, 84W | |
| Operating System | | | | |
| Windows | Windows 10/11 | Windows 7/10 | Windows 10/11 | |
| Mechanical | | | | |
| Dimensions (W x D x H) | 467.4 x 288 x 66 mm (18.4 x 11.3 x 2.6 inches) | | | |
| Weight (N.W.) | 5.6 kg (12.35 lbs) | | | |
| Mounting | Panel mount, wall mount bracket VESA 100 | | | |
| Material | Aluminum alloy panel, all-metal chassis | | | |

| Environment | |
|-----------------------|---|
| Operating Temperature | -10 to 50°C (14 to 122°F) |
| Storage Temperature | -20 to 60°C (-4 to 140°F) |
| Relative Humidity | 10% to 95% @ 40°C (104°F), non-condensing |
| Vibration | 5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis |
| IP Rating | IP65 compliant (for front panel) |
| Certification | |
| EMC | CE, FCC |
| Packing List | |
| Packing | 1 x DPC-9185 1 x AC-DC power adapter 10 x panel mounting buckles 1 x warranty card |

Dimensions

