

Overview

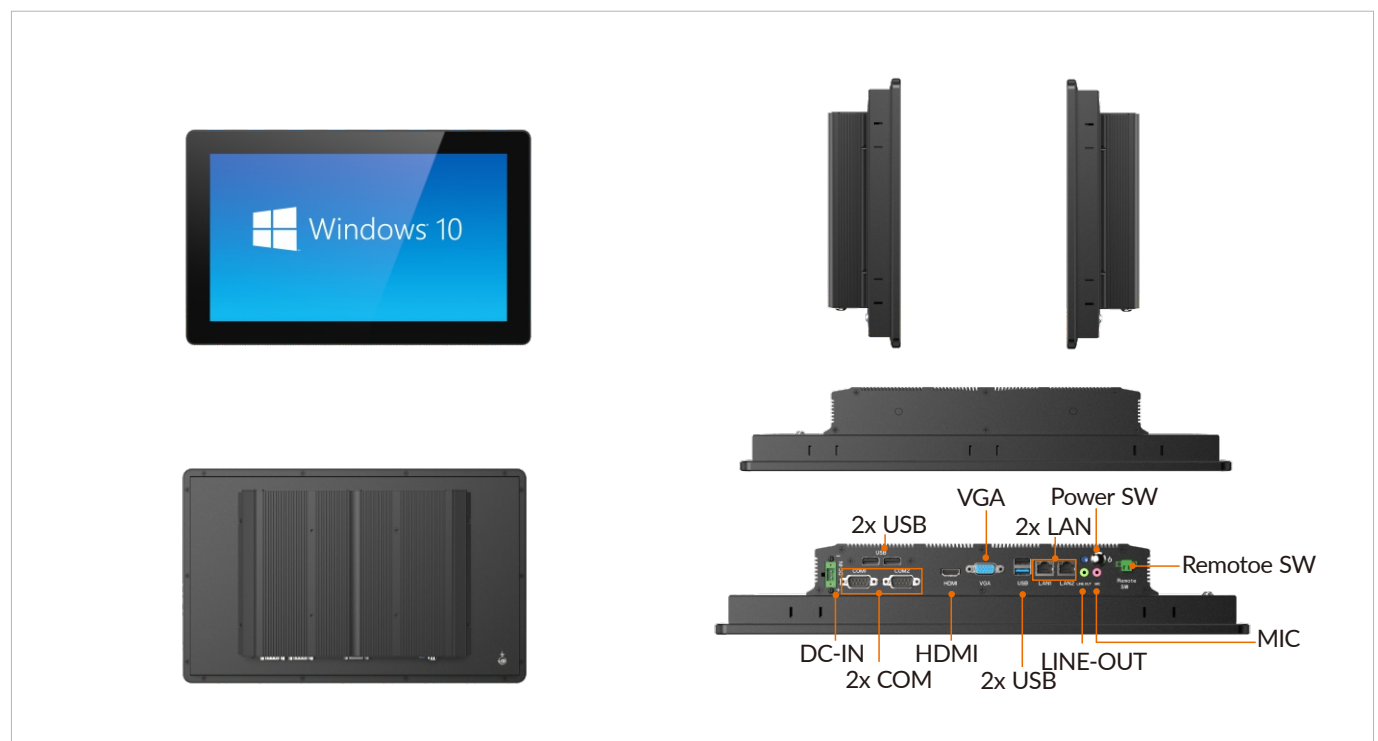
The DPC-9156 series is a 15.6" fanless industrial panel PC based on the Intel® Core™ i / N97 / Celeron® processor. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The DPC-9156 series offers low-power consumption, rich I/O connectivity, and Wi-Fi module 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-9156 series is an excellent HMI platform for industrial applications and factory automation.

Features

- 15.6" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Core™ i / N97 / Celeron® processor
- 2x 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 | | | |
| Size | 15.6 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 | 450 nits | | |
| Contrast Ratio | 1000: 1 | | |
| View Angles | 85 (left), 85 (right), 85 (up), 85 (down) | | |
| LED Lifetime | 50,000 hrs | | |
| Color | 16.7M | | |
| System | | | |
| CPU | Intel® Celeron® J6412 (2.0 GHz) processor | Intel® Alder Lake-N N97 (2.0 Ghz) processor | Intel® Alder Lake 12th Core™ i5-1235U (1.3 Ghz) processor |
| Memory | 1x SO-DIMM DDR4-3200MHz, up to 16GB | | 2x SO-DIMM DDR4-3200MHZ, up to 64GB |
| Storage | 1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD | | 1x M.2 2280 NVME SSD 1x full length Mini PCIe for mSATA SSD |
| I/O Ports | | | |
| USB | 2x USB 3.0, 2x USB 2.0 | | |
| Serial | 2x COM (COM1 supports RS-232, COM2 supports RS-232/422/485) | | |
| Ethernet | 2x GbE LAN | | |
| Display | 1x HDMI, 1x VGA | | |
| SIM Card Slot | 1x SIM slot for 4G (optional) | | |
| Antenna | 2x SMA antenna holes | | |
| Expansion Slot | | | |
| M.2 | 1x M.2 support M.2 2230 Wi-Fi 1x M.2 support M.2 2242/2252 4G/5G | | |
| RF Communication | | | |
| Wi-Fi | M.2 expansion (optional) | | |
| Cellular | M.2 expansion (optional) | | |
| Bluetooth | M.2 expansion (optional) | | |
| Audio | | | |
| Audio | Mic in, line out | | |
| Speaker | 2Ω5W speaker (optional) | | |
| Power | | | |
| Button | M8 | | |
| Remote Power On/Off | 1x Remote switch connector | | |
| DC Input | 12VDC (9-36VDC optional) | | |
| Power Connector | 2-pin phoenix terminal | | |
| Power Consumption | 25W | 25W | 29W |
| Power Adaptor | AC-DC, 12V@5A, 60W | | AC-DC, 12V@7A, 84W |
| Operating System | | | |
| Windows | Windows 10/11 | | |
| Linux | Ubuntu | | |
| Mechanical | | | |
| Dimensions (W x D x H) | 399 x 249 x 70 mm (15.7 x 9.8 x 2.7 inches) | | |
| Weight (N.W.) | 5.9 kg (13 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 | 1x DPC-9156 10x panel mounting buckles 1x warranty card |

Dimensions

