

15.6" Industrial Touch Panel PC with 10/11th Gen Intel® Core™ i Processor

Overview

The DPC-8156 is a fanless 15.6" industrial panel PC that supports 10/11th generation Intel® Core™ i5 processors for high-performance computing. It features a modular design to allow easy CPU board or I/O board upgrades and ensures a stable system structure and reliable industrial performance. With a choice of 4:3 and 16:9 aspect ratios and optional resistive or capacitive touchscreen, the DPC-8156 provides display versatility. The aluminum alloy IP65-rated front panel, metal body, and excellent heat dissipation offer longevity, functionality, and rust resistance for industrial applications.

Features

- 15.6" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- 10/11th Gen Intel® Core™ i5 processor
- 3x COM, 4x USB, 4x LAN, 1x HDMI
- Supports VESA 100 mount and panel mount
- IP65 compliant front panel



Operating Temp.



Fanless



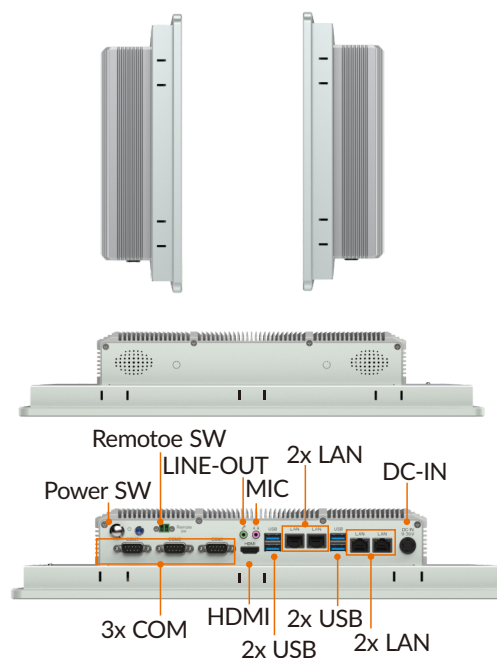
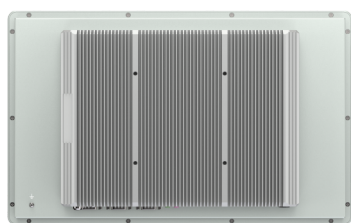
IP65



Touch Display



I/O Interfaces



Specifications

| Display | DPC-8156-10210U | | DPC-8156-1135G7 |
|------------------------|---|---|-----------------|
| Size | 15.6 inch | | |
| Touch Type | 5-wire resistive touch/projected Capacitive multi touch (optional) | | |
| 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®Core™ i5-10210U(1.6 GHz) quad-core eight-thread processor | Intel® Core™ i5-1135G7 (2.4 GHz) quad-core eight-thread processor | |
| Memory | 2x DDR4 2666 SO-DIMM (up to 64GB) | 2x DDR4 3200 SO-DIMM (up to 64GB) | |
| Storage | 1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD | | |
| I/O Ports | | | |
| USB | 4x USB 3.0 | | |
| Serial | 3x COM (COM1 supports RS-232, COM2 and COM3 support RS-232/422/485) | | |
| Ethernet | 4x GbE LAN | | |
| Display | 1x HDMI | | |
| Expansion Slot | | | |
| Mini PCIe | 1x full length Mini PCIe for Wi-Fi 1x 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 | | |
| Power | | | |
| Button | Yes | | |
| Remote Power On/Off | 1x Remote switch connector | | |
| DC Input | 9 to 36VDC | | |
| Power Connector | M8 | | |
| Power Consumption | 27W | 29W | |
| Ignition On/Off | 1x AC loss | | |
| Power Adaptor | AC-DC, 12V@7.5A, 90W | | |
| Operating System | | | |
| Windows | Windows 10, Windows 11 | | |
| Mechanical | | | |
| Dimensions (W x D x H) | 399 x 249 x 73 mm (15.7 x 9.8 x 2.9 inches) | | |
| Weight (N.W.) | 5.5 kg (12.12 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-8156 1x AC-DC power adapter 10x panel mounting buckles 1x warranty card |

Dimensions

