

## 10.1" Industrial Touch Panel PC with Intel® Celeron® Processor

### Overview

The DPC-9100 series is a 10.1" fanless industrial panel PC based on the Intel® Celeron® processor J Series. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The DPC-9100 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-9100 series is an excellent HMI platform for industrial applications and factory automation.

### Features

- 10.1" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Celeron® Processor J Series
- 1x COM, 3x USB, 2x LAN, 1x VGA
- Wi-Fi support
- VESA 75 mount and panel mount compatibility
- IP65 compliant front panel



Operating Temp.



Fanless



IP65



Touch Display



### I/O Interfaces



## Specifications

|                        |                                                                           |                                              |                                              |
|------------------------|---------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Display                |                                                                           |                                              |                                              |
| Size                   | 10.1 inch                                                                 |                                              |                                              |
| Touch Type             | Projected capacitive multi touch<br>5-wire resistive touch                |                                              |                                              |
| Transmittance          | 87% (capacitive) / 80% (resistive)                                        |                                              |                                              |
| Control Interface      | USB                                                                       |                                              |                                              |
| Surface Hardness       | ≥7H/≥3H                                                                   |                                              |                                              |
| Resolution             | 1280 x 800                                                                |                                              |                                              |
| Luminance              | 350 nits                                                                  |                                              |                                              |
| Contrast Ratio         | 1000: 1                                                                   |                                              |                                              |
| View Angles            | 80 (left), 80 (right), 80 (up), 80 (down)                                 |                                              |                                              |
| LED Lifetime           | 25,000 hrs                                                                |                                              |                                              |
| Color                  | 16.7M                                                                     |                                              |                                              |
| System                 |                                                                           |                                              |                                              |
| CPU                    | Intel® Celeron® J1900<br>(2.0 Ghz) processor                              | Intel® Celeron® J4125<br>(2.0 GHz) processor | Intel® Celeron® J6412<br>(2.0 GHz) processor |
| Memory                 | 1x SO-DIMM DDR3-1333/<br>1600MHz, up to 8GB                               | 1x SO-DIMM DDR4-<br>2400MHz, up to 8GB       | 1x SO-DIMM DDR4-<br>3200MHz, up to 16GB      |
| Storage                | 1x full length Mini PCIe for mSATA SSD                                    |                                              |                                              |
| I/O Ports              |                                                                           |                                              |                                              |
| USB                    | 1x USB 3.0, 2x USB 2.0                                                    |                                              |                                              |
| Serial                 | 1x COM (RS-232)                                                           |                                              |                                              |
| Ethernet               | 2x GbE LAN                                                                |                                              |                                              |
| Display                | 1x VGA                                                                    |                                              |                                              |
| Antenna                | 2x SMA antenna holes                                                      |                                              |                                              |
| Expansion Slot         |                                                                           |                                              |                                              |
| Mini PCIe              | 1x full length Mini PCIe for Wi-Fi<br>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 (optional)                                                   |                                              |                                              |
| Power                  |                                                                           |                                              |                                              |
| Button                 | M8                                                                        |                                              |                                              |
| Remote Power On/Off    | 1x Remote switch connector                                                |                                              |                                              |
| DC Input               | 12VDC                                                                     |                                              |                                              |
| Power Connector        | 2-pin phoenix terminal                                                    |                                              |                                              |
| Power Consumption      | 15W                                                                       |                                              |                                              |
| Power Adaptor          | AC-DC, 12V@5A, 60W                                                        |                                              |                                              |
| Operating System       |                                                                           |                                              |                                              |
| Windows                | Windows 7, Windows 10                                                     | Windows 10                                   | Windows 10, Windows 11                       |
| Mechanical             |                                                                           |                                              |                                              |
| Dimensions (W x D x H) | 261.5x 174.6 x 38.6 mm (10.3 x 6.9 x 1.5 inches)                          |                                              |                                              |
| Weight (N.W.)          | 1.8 kg (4 lbs)                                                            |                                              |                                              |
| Mounting               | Panel mount, wall mount bracket VESA 75                                   |                                              |                                              |
| 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 <sup>2</sup> /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-9100<br>1x AC-DC power adapter<br>6x panel mounting buckles<br>1x warranty card |

## Dimensions

