

### Overview

The DPC-9080 series is an 8" fanless industrial panel PC based on the Intel® Celeron® J6412 processor. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The DPC-9080 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-9080 series is an excellent HMI platform for industrial applications and factory automation.

### Features

- 8" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Celeron® J6412 Processor
- 2x COM, 4x USB, 2x LAN, 1x HDMI
- Wi-Fi support
- VESA 75 mount and panel mount compatibility
- IP65 compliant front panel



Operating Temp.



Fanless



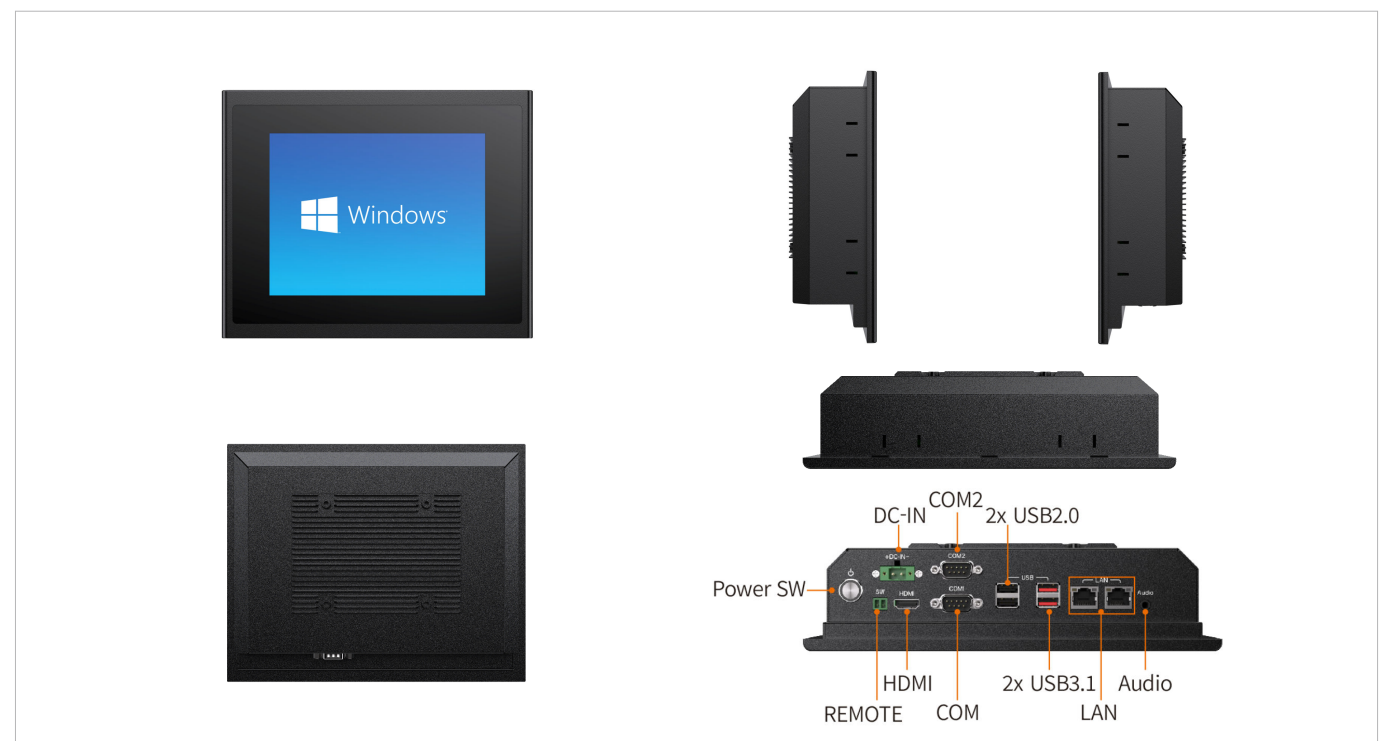
IP65



Touch Display



### I/O Interfaces



## Specifications

|                         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| <b>Display</b>          |                                                                        |
| Size                    | 8 inch                                                                 |
| Touch Type              | 5-wire resistive touch<br>Projected capacitive multi touch             |
| Transmittance           | 87% (capacitive) / 80% (resistive)                                     |
| Control Interface       | USB                                                                    |
| Surface Hardness        | ≥3H≥7H                                                                 |
| Resolution              | 1024 x 768                                                             |
| Luminance               | 400 nits                                                               |
| Contrast Ratio          | 1000: 1                                                                |
| View Angles             | 80 (left), 80 (right), 80 (up), 80 (down)                              |
| LED Lifetime            | 30,000 hrs                                                             |
| Color                   | 16.7M                                                                  |
| <b>System</b>           |                                                                        |
| CPU                     | Intel® Celeron® J6412 (2.0 GHz) Quad-Core processor                    |
| Memory                  | DDR4 2400/3200MHz (up to 32GB)                                         |
| Storage                 | 1 x SATA 3.0, 1 x M.2 2242 (SATA3.0 supported),                        |
| <b>I/O Ports</b>        |                                                                        |
| USB                     | 2 x USB2.0, 2 x USB3.1                                                 |
| Serial                  | COM1 (1 x RS-232/RS-422/RS-485); COM2 (1x RS232(default)/RS485(Jumper) |
| Ethernet                | 2x GbE LAN                                                             |
| Display                 | 1x HDMI                                                                |
| Antenna                 | 2x SMA antenna holes                                                   |
| <b>Expansion Slot</b>   |                                                                        |
| Mini PCIe               | 1 x Mini-PCIe (WiFi/4G/supported)                                      |
| <b>RF Communication</b> |                                                                        |
| Wi-Fi                   | Mini PCIe expansion (optional)                                         |
| Cellular                | Mini PCIe expansion (optional)                                         |
| Bluetooth               | Mini PCIe expansion (optional)                                         |
| <b>Audio</b>            |                                                                        |
| Audio                   | Mic in, line out                                                       |
| Speaker                 | 3Ω4W speaker (optional)                                                |
| <b>Power</b>            |                                                                        |
| Button                  | YES                                                                    |
| Remote Power On/Off     | 1x Remote switch connector                                             |
| DC Input                | 12 or 24VDC                                                            |
| Power Connector         | 2-pin phoenix terminal                                                 |
| Power Consumption       | 15W                                                                    |
| Power Adaptor           | AC-DC, 12V@5A, 60W                                                     |
| <b>Operating System</b> |                                                                        |
| Windows                 | Windows 10, Windows 11                                                 |
| <b>Mechanical</b>       |                                                                        |
| Dimensions (W x D x H)  | 236x 188 x 63 mm (9.3 x 7.4 x 2.5 inches)                              |
| Weight (N.W.)           | 1.9 kg (4.4 lbs)                                                       |
| Mounting                | Panel mount, wall mount VESA 75                                        |
| Material                | Aluminum alloy panel, all-metal chassis                                |

| Environment           |                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------|
| Operating Temperature | -10 to 50°C (14 to 122°F); -20°C to 60°C (-4°F to 140°F)(with W.T. SSD/DRAM)                 |
| 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                       |
| Certification         |                                                                                              |
| EMC                   | CE, FCC                                                                                      |
| Packing List          |                                                                                              |
| Packing               | 1x DPC-9080-J6412<br>1x AC-DC power adapter<br>6x panel mounting buckles<br>1x warranty card |

## Dimensions

