

### Overview

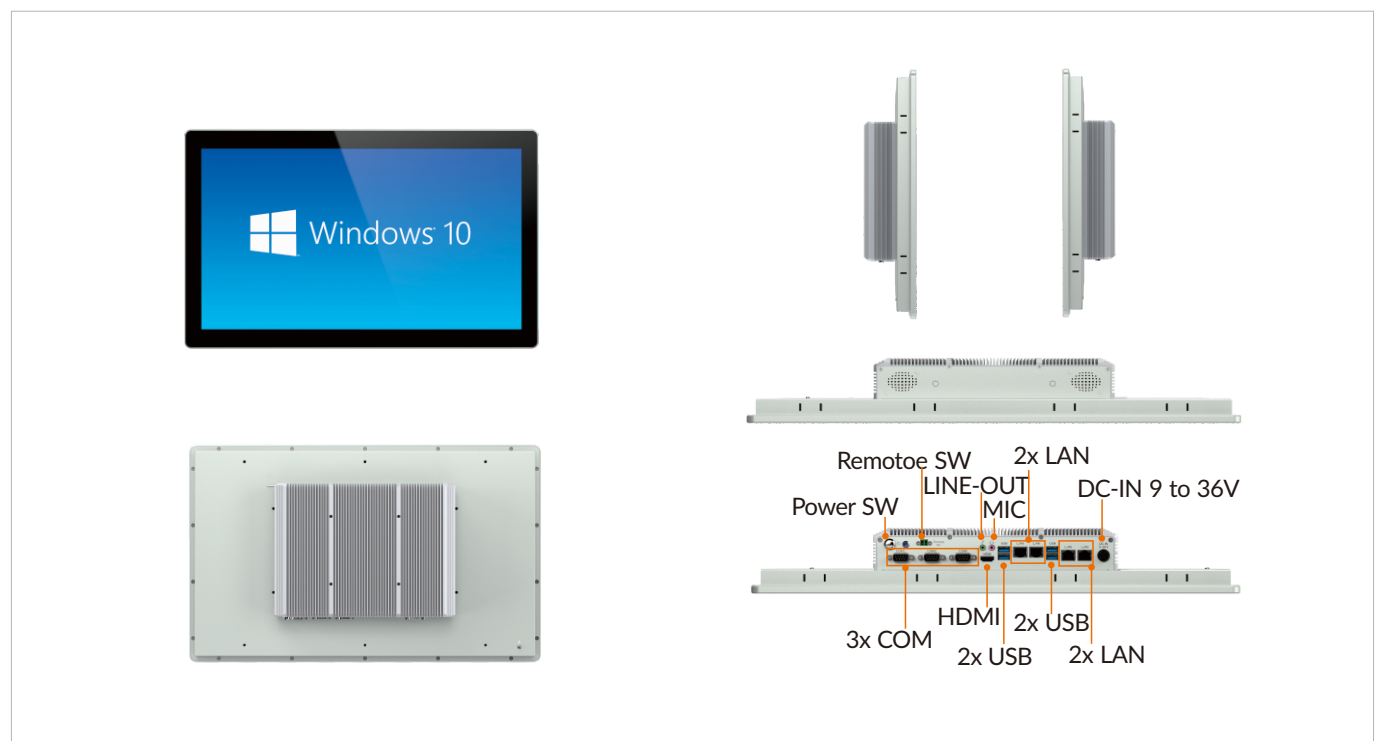
The DPC-8210 is a fanless 21.5" industrial panel PC that supports 10/11th generation Intel® Core™ i5 processors for high-performance computing. It features a modular design to allow easy CPU board or I/O board upgrades and ensures a stable system structure and reliable industrial performance. With a choice of 4:3 and 16:9 aspect ratios and optional resistive or capacitive touchscreen, the DPC-8210 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

- 21.5" 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



### I/O Interfaces



## Specifications

| Display                 | DPC-8210-10210U   | DPC-8210-1135G7  |
|-------------------------|---|--|
| Size                    | 21.5 inch   |  |
| Touch Type              | 5-wire resistive touch<br>projected capacitive multi touch (optional)     |  |
| Transmittance           | 87% (capacitive) / 80% (resistive)  |  |
| Control Interface       | USB   |  |
| Surface Hardness        | ≥7H/≥3H   |  |
| Resolution              | 1920 x 1080   |  |
| Luminance               | 250 nits  |  |
| Contrast Ratio          | 1000: 1   |  |
| View Angles             | 89 (left), 89 (right), 89 (up), 89 (down)                                 |  |
| LED Lifetime            | 40,000 hrs  |  |
| Color                   | 16.7M   |  |
| <b>System</b>           |   |  |
| CPU                     | Intel® Core™ i5-10210U (1.6 GHz)<br>quad-core eight-thread processor      | Intel® Core™ i5-1135G7 (2.4 GHz) quad-core<br>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)<br>1x full length Mini PCIe for mSATA SSD |  |
| <b>I/O Ports</b>        |   |  |
| 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   |  |
| <b>Expansion Slot</b>   |   |  |
| Mini PCIe               | 1x full length Mini PCIe for Wi-Fi<br>1x full length Mini PCIe for mSATA  |  |
| <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                 | 2Ω5W speaker  |  |
| <b>Power</b>            |   |  |
| 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  |  |
| <b>Operating System</b> |   |  |
| Windows                 | Windows 10, Windows 11  |  |
| <b>Mechanical</b>       |   |  |
| Dimensions (W x D x H)  | 528 x 326 x 73 mm (20.7 x 12.8 x 2.9 inches)                              |  |
| Weight (N.W.)           | 7.9 kg (17.4 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 <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-8210<br>1x AC-DC power adapter<br>10x panel mounting buckles<br>1x warranty card |

## Dimensions

