

# DPPC-122

12.1" Fanless Multi-touch Panel PC with Intel® Celeron® J1900 Processor

Delmation Products BV  
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## Features

12.1" TFT XGA LED Panel with Projected Capacitive Touch Display  
Embedded Intel® Celeron® J1900 2.0 GHz Processor  
System Memory up to 8 GB DDR3L 1333 SDRAM  
Two-finger Touch Control while Wearing Gloves  
Internal SATA 2.5" HDD and mSATA Socket  
Panel and VESA Mounting

## Applications

Human Machine Interface (HMI)  
Factory / Manufacturing Automation  
ATM / Self-service / Kiosk Applications  
Vending Machine / Ticketing Machine

## → Packing List

| Description               |
|---------------------------|
| 1 x DPPC-122              |
| 1 x Driver CD             |
| 1 x Power Adapter         |
| 6 x Panel Mounting Screws |

## → Optional Items

| Part No.     | Description  |
|--------------|--|
| ACS-PS-US    | Power Cable 3-pin, 180 cm, USA Type  |
| ACS-PS-EU    | Power Cable 3-pin, 180 cm, Euro Type   |
| ACS-PS-CN    | Power Cable 3-pin, 180 cm, China Type  |
| ACS-100-STD  | VESA Table Stand   |
| AWD-WF001-00 | Wi-Fi 802.11 bgn (1T1R) + 1 Antenna, Half-size                               |
| AWD-WF002-00 | Wi-Fi 802.11 bgn/BT4.0 (1T1R) Module + 1 Antenna (Dual band), Half-size      |
| AWD-WF003-00 | Wi-Fi 802.11 abgn/ac/BT4.0 (2T2R) Module + 2 Antennas (Dual band), Half-size |

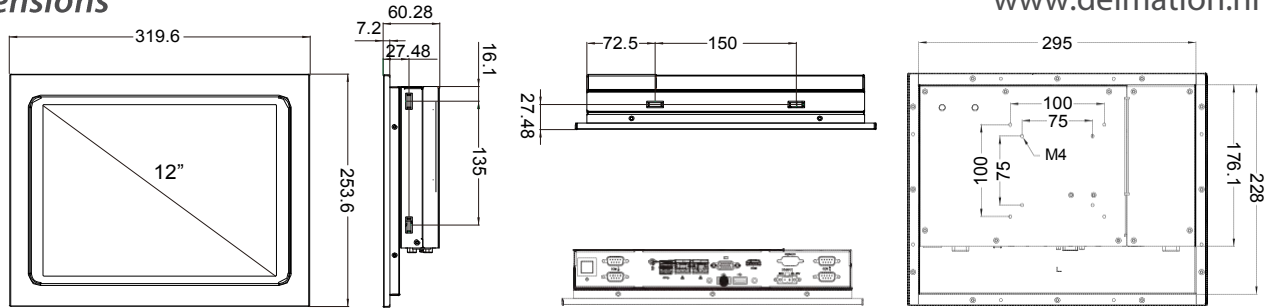
## → Ordering Information

| Part No.     | Description  |
|--------------|--|
| DPPC-122P-A1 | 12.1" Fanless Projected Capacitive Touch Panel PC with Intel® Celeron® J1900 2.0 GHz Processor |
| DPPC-122R-A1 | 12.1" Fanless 5-wire Resistive Touch Panel PC with Intel® Celeron® J1900 2.0 GHz Processor     |

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## → Dimensions



## → Specifications

| Model            |                             | DPPC-122P   | DPPC-122R         |
|------------------|-----------------------------|---|-------------------|
| Processor System | CPU                         | Intel® Celeron® Processor J1900   |                   |
|                  | Frequency                   | Quad-Core up to 2.0 GHz   |                   |
|                  | L2 Cache                    | 2 MB  |                   |
|                  | System Chipset              | N/A   |                   |
|                  | BIOS                        | UEFI  |                   |
| Memory           | Technology                  | DDR3L 1333 MHz SDRAM  |                   |
|                  | Max. Capacity               | 8 GB  |                   |
|                  | Socket                      | 1 (204-pin SO-DIMM)   |                   |
| Display          | Panel Size                  | 12.1" LED Panel   |                   |
|                  | Resolution                  | 800 x 600 (SVGA)  |                   |
|                  | Viewing Angle               | 80 x 80 (H) x 65 x 75 (V)   |                   |
|                  | Brightness                  | 450 (cd/m <sup>2</sup> )  |                   |
|                  | Color Support               | 16.2M   |                   |
|                  | Contrast Ratio              | 700:1   |                   |
|                  | Response Time               | 35 (msec)   |                   |
|                  | VGA                         | Up to 1920 x 1200   |                   |
|                  | HDMI                        | HDMI 1.4a up to 1920 x 1200   |                   |
|                  | Dual Display                | LCD + VGA or LCD + HDMI   |                   |
| Touchscreen      | Touchscreen Type            | Projected Capacitive  | 5-Wire Resistive  |
|                  | Surface Hardness            | 7   | 3                 |
|                  | Durability                  | -   | 10 millions times |
|                  | Transparency                | 90% (±3%)   | 80%(±3%)          |
| I/O Interface    | USB                         | 2 USB 3.0, 2 USB 2.0  |                   |
|                  | Serial Port                 | 4 COM (3 RS-232, 1 RS-232/422/485)  |                   |
|                  | Digital I/O (Optional)      | 8-bit Digital I/O (DB-9 connector)  |                   |
|                  | Expansion                   | 2 Mini PCIe (1 full-size Mini PCIe or mSATA, selected by jumper setting; 1 half-size Mini PCIe) |                   |
| Ethernet         | Controller                  | Dual GbE, 10/100/1000 Mbps (Realtek RTL8111G-CG)  |                   |
| Audio            | Chipset                     | Realtek ALC662 High Definition Audio (HD)   |                   |
|                  | Connector                   | Line out  |                   |
| Storage          | mSATA                       | Supports either mSATA or full-size Mini PCIe, selected by jumper setting                        |                   |
|                  | SATA II                     | 1 Internal 2.5" HDD/SSD   |                   |
| Power            | Power Supply Voltage        | Supports 9-36 V DC input (Phoenix Connector)  |                   |
|                  | Power Adaptor               | AC-to-DC, 12 V @ 5 A, 60 W  |                   |
|                  | Power Consumption (Typical) | 1.45 A @ 12 V (17.4 W)  |                   |
|                  | Power Consumption (Max)     | 1.72 A @ 12 V (20.7 W)  |                   |
|                  | Battery                     | Lithium 3 V / 210 mAH   |                   |
| Environment      | Operating Temperature       | -20~60° C w/ET RAM & 2.5" SSD   |                   |
|                  | Storage Temperature         | -40~85° C (-40~185° F)  |                   |
|                  | Humidity                    | 5~95% @ 40° C, non-condensing   |                   |
|                  | Vibration                   | 5-500 Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis                         |                   |
|                  | Certification               | CE, FCC Class A   |                   |
| General          | Ingress Protection          | IP54  |                   |
|                  | Dimensions (L x W x H)      | 319.6 x 253.6 x 64 mm (12.58" x 9.98" x 2.52")  |                   |
|                  | Weight                      | 3.30 kg (7.26 lb)   | 3.26 kg (7.19 lb) |
|                  | Operating System            | Windows 7/8.1/10, WES7-E/P, WE8S, Ubuntu 14.04  |                   |