



## DisplayPac-RPP12

12.1" Ruggedized Panel PC

### Features

- Ultra Low Power, High Performance Fanless Design
- Dual Core Intel® processor
  - Atom D2550 1.86 GHz CPU
- High quality 12.1" 1280x800 Panel
- Full IP65 Dust/water resistant Protection (excluding I/O parts)
- Aluminum Housing with Anti-Corrosion Treatments
- Tested to MIL-STD-810F & IEC60068-2-27 shock and vibration
- Resistive Touchscreen
- Wide Range 9 to 36V DC Input
- Optional 802.11b/g Wireless LAN with Antenna
- Optional Anti-Reflection Protective Glass
- Optional Sunlight readable display

### Specifications

#### Display

- 12.1" 1280x800

#### Contrast Ratio

- 1000:1

#### Brightness

- 400 (typical)

#### Viewable Angle (CR>=10)

- -88° to +88° X-axis; -88° to 88° Y-axis

#### Active Display Area (HxV)

- 261.12 x 163.2 mm

#### Colors

- 262K (6 bits/color)

#### CPU

- Atom D2550 1.86 GHz

#### BIOS

- AMI 16Mbit Flash

#### System Chipset

- Intel® NM10

#### System Memory

- 1x SODIMM, up to 4GB DDR3 800/1066

#### LAN Controller

- Dual Broadcom BCM57780 GbE

#### I/O Connectors (Back Panel I/O)

- 2x RJ-45 (10/100/1000 Mbps)
- 1x VGA (DB15)
- 1x DC Terminal Block
- 2x USB 2.0
- 1x RS-232
- 1x RS-232/422/485

# DisplayPac-RPP10 Ruggedized Panel PC

## Specifications Continued

### Storage

- Mini-PCIe SSD

### Front LED Indicator

- Power On/Off
- HDD status

### Front Control Buttons

- Power On/Off
- Reset
- Brightness Up (up to 100%)
- Brightness Down (dim to 0%)

### Power Input

- 9-36V DC with Phoenix connector

### Power Consumption

- 35W (typical); 68W (100% brightness, 100% CPU)

### Operating Temperature

- -25° to +55° C

### Operating Humidity

- 10% to 95% (non-condensing)

### Dimensions (WxLxH)

- 12.2" x 8.46" x 2.07"
- 310 mm x 215 mm x 52.7 mm

### Enclosure

- IP65 dust/water proof enclosure (except I/O ports)
- Aluminum housing with anti-corrosion treatments

### Shock

- Operating: 30g for 18ms, 300m/s<sup>2</sup>

### Vibration

- Operating: 1.60/1.96/2.18g rms for XYZ / 5-500 Hz

### Compliance

- FCC Class B, CE
- MIL-810F/EN50155 for Vibration/Shock
- EN50155 for Safety

## Options

### Display Enhancement

- Sunlight readable

### No Touchscreen

- 3mm Anti-reflective Protection Glass

### GPS

- USB interface, MTK chip

### WLAN or 3G

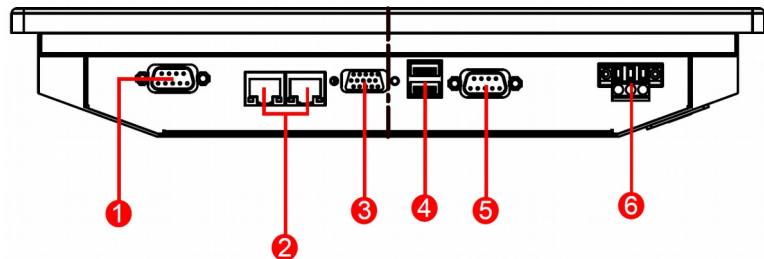
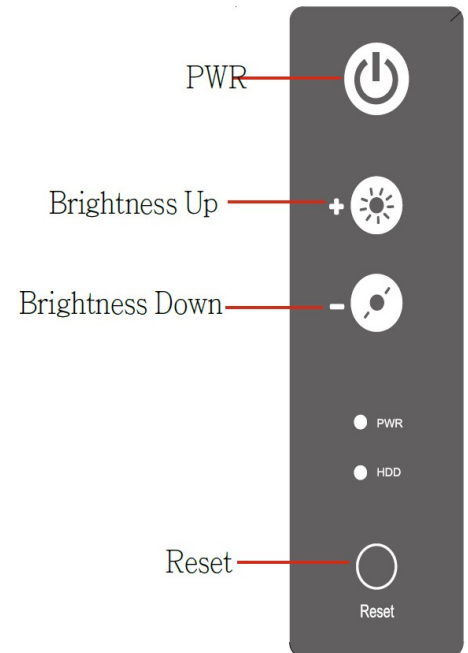
- 1x Mini PCIe for Wireless LAN with SMA antenna or 3G

### Mounting

- 1x robust bracket with locking handle (Adjustable from -5° to +90°)

## Operating System

- Windows® XPE, Windows® 7 Embedded



- |                              |                                |
|------------------------------|--------------------------------|
| 1. RS-232/422/485 (Optional) | 4. USB                         |
| 2. LAN                       | 5. RS-232                      |
| 3. VGA                       | 6. DC Terminal Block (default) |

## About Computer Dynamics

Computer Dynamics (A CIMTEC Automation Company) is a leading global provider of flat panel display solutions for a wide range of industries and applications. Our comprehensive product offering includes open-frame, enclosed, and environmentally sealed flat panel display systems in both computer and monitor configurations. Whether you're looking for one of our standard products or a fully custom solution, Computer Dynamics has the breadth, experience and support to deliver what you need. For more than 25 years, CIMTEC Automation has been providing automation solutions throughout the world that deliver value, performance, and innovation.

## Computer Dynamics Contact Information

Americas: 1 864 627 8800

Additional contact information available on our web site at [www.codynamics.com/contact.asp](http://www.codynamics.com/contact.asp)

[www.codynamics.com](http://www.codynamics.com)