



DisplayPac-RPP8

8.4" Fanless, Rugged Panel PC

Features

- Ultra Low Power, High Performance Fanless Design
- Intel® processor
 - Atom D2550 1.86 GHz CPU
- High Quality 8.4" 800x600 Panel
- Full IP65 Dust/water resistant Protection (excluding I/O parts)
- Aluminum Housing with Anti-Corrosion Treatment
- Tested to MIL-STD-810F & IEC60068-2-27 for shock & 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

- 8.4" 800x600 TFT
- #### Pixel Pitch (HxV)
- 0.213 mm x 0.213 mm
- #### Contrast Ratio
- 250:1
- #### Brightness
- 350 (typical)
- #### Viewable Angle (CR \geq 10)
- -60° to +60° X-axis; -40° to 60° Y-axis
- #### Active Display Area (HxV)
- 170.4 x 127.8 mm
- #### Colors
- 262,144 (6 bits/color)

CPU

- Atom D2550 1.86 GHz

BIOS

- AMI 16 Mbit Flash

Chipset

- Intel NM10

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 (DB-15)
- 1x DC Terminal Block
- 2x USB 2.0
- 1x RS-232
- 1x RS-232/422/485

Storage

- Mini-PCIe SSD

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Specifications continued

Front Controls

- Control Buttons
 - Power On/Off
 - Reset
 - Brightness Up
 - Brightness Down
- LED Indicator
 - Power On/Off
 - HDD Status

Power Input

- 9~36V DC with terminal connector

Power Consumption

- 54.5W (100% brightness, 100% CPU)

Dimension (WxLxH)

- 10.91" x 8.64" x 2.35"
- 277 mm x 219.5 mm x 59.7 mm

Temperature

- Operating: -20° C to +55° C
- Storage: -30° C to +70° C

Operating Humidity

- 10% to 95% (non condensing)

Shock

- Operating: 30g for 18ms, 300 m/s²

Vibration

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

Certifications

- CE, FCC Class B
- IP65 (excluding I/O ports)
- MIL-STD-810F / IEC60068-2-27 for:
 - Vibration
 - Shock

Options

Sunlight Readable Display

- Enhanced Transflective Panel

No Touchscreen

- 3mm Anti-reflective Protection Glass

Wireless

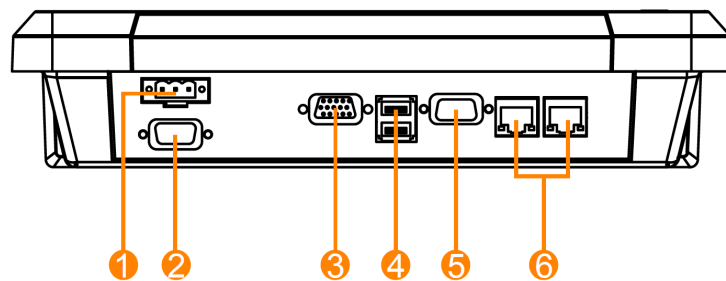
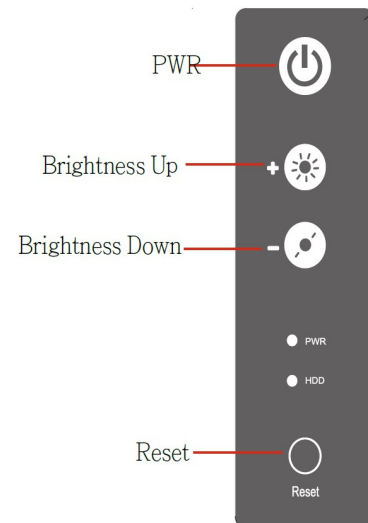
- 1x Mini-PCIe based Wireless LAN card with SMA antenna

Mounting

- 1x robust bracket with locking handle, adjustable from -5° to +90°

Operating Systems

- Windows® XP for Embedded Systems
- Windows® 7 for Embedded Systems



1. DC Terminal Block (Default)
2. COM4
3. VGA

4. USB
5. COM1
6. LAN

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.

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