



DisplayPac-RPP10

10.4" Ruggedized Panel PC

Features

- Ultra Low Power, High Performance Fanless Design
- Dual Core Intel® processor
 - Atom D2550 1.86 GHz CPU
- High quality 10.4" SVGA or XGA 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

Specifications

Display

- SVGA: 10.4" 800x600
- XGA: 10.4" 1024x768

Contrast Ratio

- SVGA: 600:1
- XGA: 1200:1

Brightness

- SVGA: 400 (typical)
- XGA: 350 (typical)

Viewable Angle (CR>=10)

- SVGA: +/-75° (H); -70° to 60° (V)
- XGA: +/-88° (H); +/-88° (V)

Active Display Area (HxV)

- 211.2 x 158.4 mm

Colors

- SVGA: 262k (6 bits/color)
- XGA: 16.2M (6 bits/color + FRC)

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

Expansion Slot

- 1x Mini PCIe slot (for wireless)
- 1x Mini PCIe slot (for SATA SSD)

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

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Specifications Continued

Storage

- 2.5" 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)

- 12.4" x 9.84" x 2.64"
- 315 mm x 250 mm x 67 mm

Enclosure

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

Shock

- Operating: 30g for 18ms, 300m/s²

Vibration

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

Compliance

- FCC Class B, CE
- MIL-810F/IEC-60068-2-27 for Vibration/Shock

Options

Display Enhancement

- Transflective film enhancement
- Hi Brite LED backlights

No Touchscreen

- 3mm Anti-reflective Protection Glass

GPS

- USB interface, MTK chip

WLAN or 3G

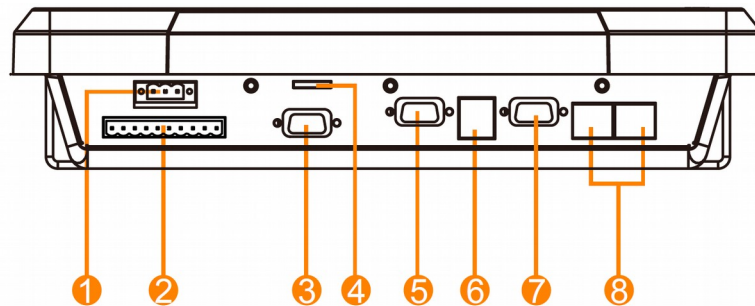
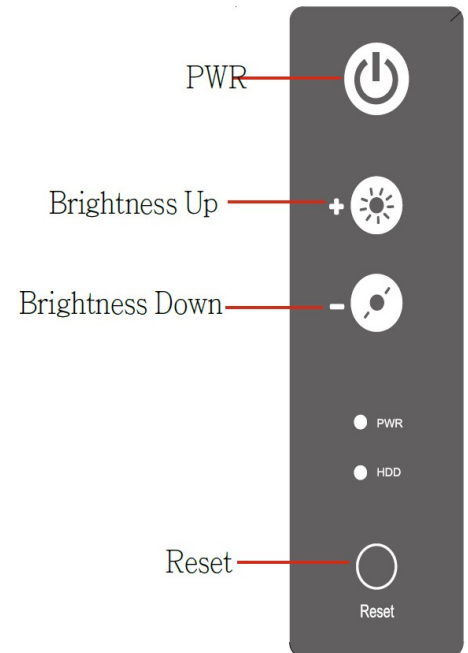
- 1x Mini PCIe for Wireless LAN with SMA antenna or 3G

Mounting

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

Operating System

- Windows® XPE, Windows® 7 Embedded



- | | |
|----------------------------|---------|
| 1. DC in 9~36V | 5. VGA |
| 2. CanBus / DIO (Optional) | 6. USB |
| 3. COM4 | 7. COM1 |
| 4. 3G SIM Card (Optional) | 8. 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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