



DisplayPac-D2550-WN

Low Cost, Low Power Flat Panel Computer Solution Based on ATOM D2550 Processor

The DisplayPac-D2550-WN series of Panel PCs are an excellent low cost solution to Industrial Computing needs. The platform offers flat panels ranging from 7" to 22" and come with a touchscreen. Systems can be configured either with a panel mount plate or with a stand-alone chassis and the display can be made sunlight readable. The Atom D2550 processor is a Dual Core processor running at 1.86GHz.

Display Specifications

Display

- 7" 800x480
- 8.4" 800x600
- 10.4" 800x600
- 12.1" 800x600
- 15" 1024x768
- 17" 1280x1024
- 19" 1280x1024
- 21.5" 1920x1080

Colors

- 7" 262k (6 bits/color)
- 8.4" 16.2M (8 bits/color)
- 10.4" 16.2M (8 bits/color)
- 12.1" 262k (6 bits/color)
- 15" 16.2M (6 bits/color + FRC)
- 17" 16.7M (6 bits/color + FRC)
- 19" 16.7M (8 bits/color)
- 21.5" 16.7M (8 bits/color)

Brightness

- 7" 350 nit
- 8.4" 400 nit
- 10.4" 350 nit
- 12.1" 400 nit
- 15" 250 nit
- 17" 300 nit
- 19" 300 nit
- 21.5" 250 nit

Contrast Ratio

- 7" 300:1
- 8.4" 600:1
- 10.4" 500:1
- 12.1" 600:1
- 15" 500:1
- 17" 800:1
- 19" 800:1
- 21.5" 1000:1

Viewing Angle

- 7" -60° to +60° (H); -60° to +40° (V)
- 8.4" -75° to +75° (H); -60° to +70° (V)
- 10.4" -70° to +70° (H); -55° to +65° (V)
- 12.1" -70° to +70° (H); -50° to +60° (V)
- 15" -70° to +70° (H); -60° to +60° (V)
- 17" -80° to +80° (H); -80° to +80° (V)
- 19" -80° to +80° (H); -80° to +80° (V)
- 21.5" -85° to +85° (H); -80° to +80° (V)

Touchscreen Specification

Touchscreen

- 5-wire Resistive

Computer DYNAMICS

DisplayPac-D2550-WN Low Cost, Low Power Flat Panel Computer Solution

System Specifications

CPU

- Intel® ATOM Dual Core D2550 1.86 GHz

BIOS

- AMI 16M bit

Chipset

- Intel® NM10

Memory Slot

- 2 GB DDR3 (Max 4GB)

Hard Drive

- SATA-II 2.5" Hard Drive

Keyboard/Mouse

- 2x PS/2

Media

- 80 GB SATA-II 2.5" HDD

Ethernet

- 2x Gigabit Ethernet

VGA

- 1x VGA Connector

Audio

- Realtek ALC886 HD Audio Codec

USB

- 4x USB 2.0

Serial

- 3x RS-232 (2x on back)
- 1x RS-232/422/485 (on back)

Power Consumption (@ 12V) maximum brightness and 100% CPU load

- 43W max, 15W typical

Power Input

- DC in (12V)

Power Supply

- 100 to 240V AC In

Construction

- Panel Mount

Certifications

- CE, FCC, RoHS

Environmental

- 0° to 45°C operating temperature
- 30% to 90%, operating humidity non-condensing

Options

Mechanical

- Chassis, stand-alone
- Open Frame
- IP65, 10 mm
- Panel Mount, 5 mm

Display

- -TR (Transflective); not available on all displays

Expansion slot

- 2x Mini PCIe

Media

- Solid State drive
- Compact Flash

Operating System

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

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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