



DisplayPac-N2930-WN

Low Cost, Low Power Flat Panel Computer Solution Based on Celeron N2930

The DisplayPac-N2930-WN series of Panel PCs are an excellent low cost solution to Industrial Computing needs. The platform offers flat panels ranging from 8" to 22" and come with a touchscreen. Systems can be configured either with a panel mount plate or open-frame and the display can be made sunlight readable. The Celeron N2930 processor is a Quad Core processor running at 1.83GHz.

Display Specifications

Display

- 8.4" 800x600
- 10.4" 800x600
- 10.4" (10X) 1024x768
- 12.1" 1024x768
- 15" 1024x768
- 17" 1280x1024
- 19" 1280x1024
- 19"W 1440x900 (Wide-screen)
- 21.5" 1920x1080

Colors

- 8.4" 16.2M (8 bits/color)
- 10.4" 16.2M (8 bits/color)
- 10.4" (10X) 16.2M (6 bits +FRC)
- 12.1" 16.2M (8 bits/color)
- 15" 16.2M (6 bits/color + FRC)
- 17" 16.7M (6 bits/color + FRC)
- 19" 16.7M (8 bits/color)
- 19"W 16.7M (8 bits/color)
- 21.5" 16.7M (8 bits/color)

Brightness

- 8.4" 400 nit
- 10.4" 350 nit
- 10.4" (10X) 350 nit
- 12.1" 500 nit
- 15" 250 nit
- 17" 300 nit
- 19" 300 nit
- 19"W 250 nit
- 21.5" 250 nit

Contrast Ratio

- 8.4" 600:1
- 10.4" 500:1
- 10.4" (10X) 1200:1
- 12.1" 700:1
- 15" 500:1
- 17" 800:1
- 19" 800:1
- 19"W 1000:1
- 21.5" 1000:1

Viewing Angle

- 8.4" -75° to +75° (H); -60° to +70° (V)
- 10.4" -70° to +70° (H); -55° to +65° (V)
- 10.4" (10X) +/-88° (H); +/-88° (V)
- 12.1" -80° to +80° (H); -70° to +70° (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)
- 19"W -85° to +85° (H); -80° to +80° (V)
- 21.5" -85° to +85° (H); -80° to +80° (V)

Touchscreen Specification

Touchscreen

- 5-wire Resistive

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System Specifications

CPU

- Intel® Celeron N2930 Quad Core 1.83GHz

BIOS

- AMI 16M bit

Chipset

- Intel® ATOM SoC Integrated

Memory Slot

- (1) 4 GB DDR3 (Max 8GB)

Hard Drive

- SATA-II 2.5" Hard Drive

Keyboard/Mouse

- 2x PS/2

Media

- 250 GB SATA-II 2.5" HDD

Ethernet

- 2x Gigabit Ethernet

Video

- 1x HDMI Connector (12.1" and smaller models)
- 1x VGA Connector (15" and larger models)

Audio

- Realtek ALC886 HD Audio Codec
- 3.5mm connectors on 15" and larger models

USB

- 1x USB 3.0
- 3x USB 2.0

Serial

- 2x RS-232
- 1x RS-232/422/485

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

- 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

Operating System

- Windows® 7 Pro for Embedded Systems
- Windows® 8 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.

Computer Dynamics Contact Information

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