PC9120

12.1" 800 x 600 fanless industrial touch panel PC with Celeron N2930 / 8th gen. Core i3-8145UE CPU, 4GB memory, SATA MO-297 SSD bay, and an IP66 rated flat front bezel.

- ▸ 12.1 inch 800 x 600 450-nit industrial LCD panel
- ▸ IP66 compliant aluminum die-casted front bezel
- ▸ Integrated Intel Celeron or Core i processors
- ▸ Multiple I/O ports including USB, COM, LAN, Audio, and DP
- ▸ Resistive touch screen, option for Projective Capacitive touch screen
- ▸ Option for 1000-nit high brightness display or optical bonding
- ▸ Option for -20°C to 60°C wide range working temperature
- ▸ Wide range 9 to 36V DC power input

Description

Introducing the PC9120, a versatile industrial panel PC designed for robust performance in demanding environments. Featuring a 12.1-inch 800 x 600 450-nit LCD panel with options for a Resistive or Projected Capacitive touch screen, it ensures reliable operation with integrated Intel Celeron or Core i processors. Its IP66 compliant aluminum die-casted front bezel offers durability, while multiple I/O ports including USB, COM, LAN, Audio, and DP provide extensive connectivity options. Choose from a 1000-nit high brightness display or optical bonding for enhanced visibility, and enjoy operational flexibility with a wide temperature range from -20°C to 60°C and wide range 9 to 36V DC power input capabilities.

Technical Specifications

SPECIFICATION	VALUE
Material	Solid aluminum die-casting chassis IP66 compliant front panel
LCD Panel	Size: 12.1 inch TFT LCD Resolution: 800 x 600 Brightness (cd/m²): 450 Contrast Ratio (typ.): 1500:1 (A & B model); 1000:1 (C model) Viewing Angle (H/V): 178° x 178° (A & B model); 176° x 176° (C model) Color: 262K (A & B model); 16.7M (C model) MTBF (hrs): 50,000
Touch Screen	Type: Resistive touch (Standard) / Projected Capacitive touch (Option)

Specifications subject to change without notice.

	Light Transmission: Resistive 80% / Projected Capacitive 90% Interface: USB
System	CPU: Intel Celeron N2930 (A model) / 8th Gen Core i3-8145UE (B model) / Celeron J6412 (C model) System Chipset: SoC Memory: DDR memory, up to 32GB for select models
Storage	A & B model: 1 x SATA MO-297 SSD bay C model: 1 x M.2 B-Key slot (Support SATA3; 2242/2280, Default 2242)
Expansion Slot	A & B model: 1 x internal mini-PCIe slot full size C model: 1 x mini-PCIe slot, 1 x M.2 E-key, 1 x Nano SIM Card Holder
Connectors	A & B model: 2 x USB 3.0 type A 1 x DB-9 RS-232/422/485, COM1 (Default RS-232) 1 x RS-232 DB-9, COM2 1 x Audio line out 2 x GbE LAN RJ-45 1 x 3-pin terminal block for DC power input 1 x 2-pin connector for power on/off button C model: 2 x USB 3.2 Gen2 Type A 2 x USB 2.0 Type A 1 x RS-232/422/485 (Default RS-232) 1 x Audio Line Out 2 x 2.5GbE LAN RJ-45 1 x DP 1 x 3-pin Terminal Block Connector 1 x 2-pin Power Switch Connector
Mounting	Panel or VESA (100mm) mount
Power supply	Power Input: 9 to 36V DC power input Power Consumption: TBD Option for external AC power adapter
Weight	6.39 lb / 2.9 kg (estimated)
Dimension	12.56"(W) x 2.04"(D) x 9.65"(H)
Environmental	Operating Temperature: 0°C to 50°C Option for -20°C to 60°C wide range working temperature Storage Temperature: -30°C to 70°C Humidity: 10 to 90% @ 40°C, non-condensing
Certification	CE, FCC Class A

Available Configurations

memory
- 4GB memory

LCD monitor
- 12 inch 800 by 600 LCD with resistive-type touch screen
- 12 inch 800 by 600 LCD with projected capacitive-type tocuh screen

Specifications subject to change without notice.

Power Supply

- 9-32V DC power input
- 110/220VAC power adapter

CPU

- Celeron N2930 1.83GHZ Quad-Core CPU

Operating system

- No O.S.
- Windows 7 Pro 64bit
- Windows 10 Pro 64bit

Hard Drive

- 500GB HD
- 250GB SSD
- 500GB SSD

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