PCM8012

12.1" 1024 x 768 military-grade panel PC with Intel Celeron N2930 1.83GHz CPU, Resistive type touch screen, and MIL-STD-461F/810G military testing compliance.

▸ Fully IP67 rated rugged enclosure

▸ 12.1 inch 1024 x 768 industrial LCD panel

▸ 5-wire resistive type touch screen with EMI mesh filter

▸ 400-nits LCD panel, option for 1000-nits high brightness

▸ Intel Celeron N2930 1.83GHz embedded system

▸ 2 x LAN + 2 x USB + 1 x RS-232 (D38999 connectors)

▸ MIL-STD-810G -10°C to 60°C wide range working temperature

▸ Wide range 9~36V DC power input with EMI filter

Description

Military-grade panel PC with a 12.1 inch 1024 x 768 resistive type touch screen monitor powered by the Intel Celeron N2930 1.83GHz CPU. The panel PC supports 2 x LAN + 2 x USB + 1 x RS-232 (D38999), a fully IP67 rated rugged enclosure, and MIL-STD-461F/810G military testing compliance.

Technical Specifications

SPECIFICATION	VALUE
Construction	Fully IP67 rated rugged enclosure
LCD Panel	Size: 12.1 inch Max. Resolution: 1024 x 768 Brightness (cd/m²): 400-nits, option for 1000-nits high brightness Contrast Ratio (typ.): 700:1 Viewing Angle: -88 ~88(H); -70~70(V) Active Area: 245.76(H) x 184.32(V) Colors: 16.2M (8 bits/color)
LCD Enchancement	Optical bonding Option for optical bonding + EMI filter + UV protection
Touch Screen	5-wire resistive type touch screen with EMI mesh filter
Front Panel Controls	Power ON/OFF & Reset button LED indicators for power and storage

Specifications subject to change without notice.

System	CPU: Intel Celeron N2930 1.83GHz
	Memory: DDR3 SO-DIMM 4GB, Max.8GB
	Graphic: Integrated Intel HD Graphics
	Ethernet: Intel WG82574LGbE
	Audio: Realtek ALC886 HD Audio Codec
	Chipset: Fintek F81866
Storage	mSATA SSD 64GB, max. 128GB
Power Supply	Wide range 9~36V DC power input with EMI filter
	Option for external AC power adapter
Connectors (D38999)	2 x LAN
	2 x USB, 1 x USB Type A
	1 x RS232
	1 x 9~36V DC input
Mounting	VESA (75 x 75mm, 100 x 100mm) and panel mount ready
Weight	15.43 lb / 7 kg
Dimension	12.99"(W) x 10.63"(H) x 3.35"(D)
Environmental	Operating Temperature: -10°C to 60°C
	Relative Humidity: 5 to 95%, non-condensing
	Shock: MIL-STD-810G Method 516.6
	Vibration: MIL-STD-810G Method 514.6C-3
	Humidity: MIL-STD-810G Method 507.5-7
	High Temperature: MIL-STD-810G Method 501.5-II
	Low Temperature: MIL-STD-810G Method 502.5
	EMC Compliance: MIL-STD-461F, RE101, RE102

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