

Nematron® ePC080T

8.0" Low-Cost, Fanless, Panel Mount Industrial Computer



ePC080T Overview

The Nematron ePC080T is a high performance, fanless, panel mount computer specifically designed to be installed as an automation control interface. The ePC080T is widely used in many vertical manufacturing industries and by industrial OEMs.

Why Nematron?

- Internationally certified
- Unprecedented uptime
- Best in class lead times to meet your schedules and deadlines
- Long product lifecycles that help reduce your cost of ownership

Target Industries

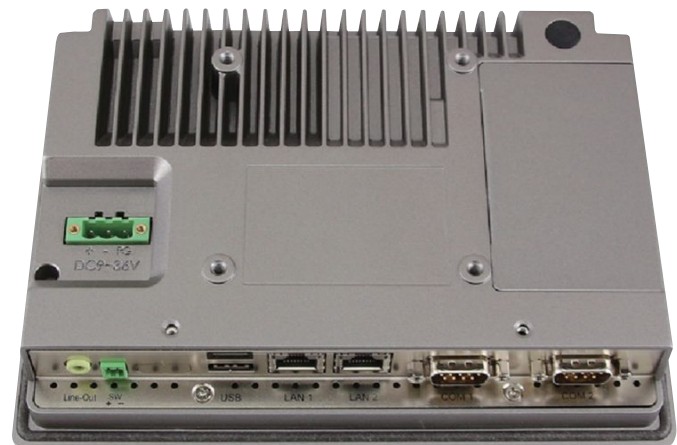
- Automotive
- Food & beverage
- Packaging
- Power generation

Rugged, Superior Quality

- All aluminum construction
- Analog resistive touchscreen
- Solid state drives - no moving parts
- Intel® high performance processor

Safety-Tested Reliability

- UL/cUL 60950 approved
- CE approved
- Temperature and humidity tested to 50°C
- IP65 front panel
- 2-year warranty





Nematron® ePC080T

PHYSICAL SPECIFICATIONS

Dimensions (inch/mm)	9.09"W x 6.93"H x 1.97"D 231mm x 176mm x 50mm
Cutout (inch/mm)	8.74" x 6.57" / 222mm x 167mm
Weight	3.9 lbs. (1.8kg)

DISPLAY SPECIFICATIONS

LCD Size	8.0"
Resolution	800 x 600
Display Colors	16.2M
Brightness	350 cd/m ² (NIT) Standard
Viewing Angle	±140° Horizontal / ±125° Vertical
Touchscreen	Resistive
Contrast ratio	500:1 (Typical)
Backlight Life	40,000 Hours

PROCESSOR

Type & Processor	Intel® Quad Core Celeron N2930
Core Speed	Up to 2.16 GHz
L2 Cache	2MB
Chipset	Intel Bay Trail-M

POWER

DC Input Power	9-36 VDC, 4.5A-1.5A (Must be Powered by a Listed ITE LPS Power Source)
AC Power Supply	External AC-to-DC Adapter (Universal AC Input)

STORAGE & PERIPHERALS

Operating System	Windows® 7 Professional (32-bit); Windows 7 Ultimate (64-bit), Windows 10 IoT Enterprise (32-bit or 64-bit) (optional)
DRAM	4GB (On-board DDR3L 1333MHz Dual Channel)
Standard Storage	128GB Solid State Drive; 256GB Solid State Drive (optional)
Available I/O	(1) HDMI Port, (1) USB 2.0, (1) USB 3.0, (1) RS-232, (1) RS-232/422/485, (2) Gigabit Ethernet 10/100/1000, (1) Audio Out

ENCLOSURE

Material	Die Cast Aluminum Enclosure, IP65 Compliant Aluminum Front Panel (when installed in an appropriate enclosure)
Mounting	Panel, VESA 75 x 75

COMPLIANCE

Compliance	CE, FCC Class A
Safety Agency	UL/cUL 60950 (ordinary locations) Indoor Use only

ENVIRONMENTAL

Operating Temperature	-0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Humidity	10%~90% (Non-Condensing)

PART NUMBER CONFIGURATOR

ePC080T-N2930-4GB-128SS-W7

Display Size:	080T 8.0" Analog Resistive Touch
Processor:	-N2930 Intel Celeron N2930 Processor (Fanless)
DRAM:	-4GB 4GB DRAM
Internal Storage:	-128SS 128 GB internal Solid State Drive -256SS 256 GB internal Solid State Drive
Operating System:	-W7 Windows 7 Professional (32-bit) -W7U Windows 7 Ultimate (64-bit) -W1032 Windows 10 IoT Enterprise (32-bit) ¹ -W1064 Windows 10 IoT Enterprise (64-bit) ¹

¹ Windows 10 IoT Enterprise is the OEM equivalent to Windows 10 Professional.

