# Nematron® ePC150T

## 15.0" Low-Cost, Fanless, Panel Mount Industrial Computer



intel

## ePC150T Overview

The Nematron ePC150T is a high performance, fanless, panel mount computer specifically designed to be installed as an automation control interface. The ePC150T 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
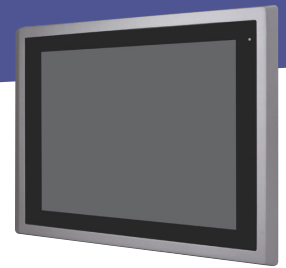- Packaging
- Power generation

### 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
### by COMARK

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# Nematron® ePC150T

## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions (inch/mm) | 16.14"W x 12.2"H x 2.17"D |
| | 410mm x 310mm x 55mm |
| Cutout (inch/mm) | 15.43" x 11.5" / 392mm x 292mm |
| Weight | NA |

## DISPLAY SPECIFICATIONS

| | |
|---|---|
| LCD Size | 15.0" |
| Resolution | 1024 x 768 |
| Display Colors | 16.2M |
| Brightness | 300 cd/m² (NIT) Standard |
| Viewing Angle | ±170° Horz / ±170° Vert |
| Touchscreen | Resistive |
| Contrast ratio | 800:1 (Typical) |
| Backlight Life | 50,000 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 | 150GB Solid State Drive; 240GB or 480GB Solid State Drives (optional) |
| Available I/O | (1) HDMI Port, (2) USB 2.0, (2) USB 3.0, (2) 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 100 x 100 |

## 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

### ePC150T-N2930-4GB-150SS-W7

**Display Size:**
| | |
|---|---|
| 150T | 15.0" Analog Resistive Touch |

**Processor:**
| | |
|---|---|
| -N2930 | Intel Celeron N2930 Processor (Fanless) |

**DRAM:**
| | |
|---|---|
| -4GB | 4GB DRAM |

**Internal Storage:**
| | |
|---|---|
| -150SS | 150 GB internal Solid State Drive |
| -240SS | 240 GB internal Solid State Drive |
| -480SS | 480 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.