

ThinManager-Ready Nematron nPC10 Lite Series ThinClient Node Hardware

ThinManager-Ready

Intel® Processing

4GB DRAM

Node PC

Mounting Options



Nematron
by COMARK

DS nPC10-TMR, Rev B

THINMANAGER



Made in USA

Standard Configuration

- ThinManager-Ready
- High Performance/Very Low Power Fanless Processor
 - Intel® Quad Core Celeron N2930 (1.83 GHz (bursts to 2.16 GHz), 2 MB Cache, 4 Cores, 4 Threads)
- 4 GB DRAM
- I/O Connectivity
 - One 10/100/1000 Ethernet port
 - Two USB 2.0 ports
 - Two USB 3.0 Ports
 - One RS-232 serial port
 - Audio in/out
 - Additional Analog and HDMI ports (supports dual video modes with integrated LCD)
- External 100-240 VAC power supply included
 - Regulated 12 VDC, 3.75 A Max output (can also be powered by other Listed ITE power supplies or Class 2 power sources)
- 0° to 50°C operational temperature rating
- UL and cUL Ordinary Locations Listed
- FCC & CE compliant
- 2-year Warranty

NOTE: The ThinManager-Ready configurations do not contain storage or operating system. They are configured for booting to a network via ThinManager protocol only. These are NOT standalone PCs. These products have been verified to be ThinManager LXi and ThinManager-Ready compatible. Comark does not supply ThinManager. For application support, please contact ThinManager directly at www.thinmanager.com.

Technical Specifications



Physical

Overall Dimensions	7.750" x 7.750" x 1.130" (196.8mm x 196.8mm x 33.02mm)
Overall Dimensions w/ Mounting Brackets	7.750" x 9.06" x 1.61" (196.8mm x 196.8mm x 40.89mm)
Weight	2.7 lbs (1.2 kg)
Shipping Weight	4.2 lbs (1.9 kg)

Processor

Type & Processor	Celeron N2930 Intel Quad Core Celeron N2930 (fanless)
Core Speed	1.83 GHz (with bursts up to 2.16 GHz)
Threads / Core	4 / 4
L2 Cache	2MB
Chipset	Intel Bay Trail-M
Graphics Controller	Intel Gen7 Graphics DX 11, OGL3.2
Ethernet Controller	Realtek Gigabit 10/100/1000 (1 port)

Storage & Peripherals

DRAM	4GB Single Module (204-pin DDR3 SO-DIMM, non-ECC, unbuffered, 1066 MHz)
Available I/O	(1) HDMI Port, (2) USB 2.0, (2) USB 3.0, (1) RS-232, (1) Analog Video Port (supports dual video), (1) Ethernet 10/100/1000 Port, (2) Audio In/Out Ports

Power

Input Power	20W
AC Power Supply	100-240 VAC, 47-63 Hz, 1.1 A Maximum
DC Input Voltage	12 VDC, Regulated \pm 5%, 1.9 A Maximum ¹

¹ Output of included AC power supply. Can also be powered by other Listed ITE power supply or Class 2 Power sources.

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Technical Specifications

Environmental

	Operating	Non-operating
Temperature ²	0°C to 50°C	-20°C to 60°C
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock ³	15g peak acceleration, 11msec	30g peak acceleration, 11msec
Vibration (5-2000 Hz) ³	.006" peak to peak displacement, 1.0g maximum acceleration	.015" peak to peak displacement, 2.5g maximum acceleration
Altitude ⁴	Sea level to 10,000 feet	Sea level to 40,000 feet

² Temperature specifications are for air temp surrounding the unit (i.e. inside any enclosure being utilized).

³ Shock & Vibration specifications established with Solid State drives and no rotating media.

⁴ Altitude specification is established by using all internal component specifications.

Compliance

FCC	47 CFR, Part 15, Class A
EU CE Marking	CE, EN 55022: Class A, EN 61000-3-3, EN 61000-6-2, IEC 60950-1
Agency Approvals *	UL508 Listed, cUL Listed CSA C22.2, #142

Features

1. Power Input: 12VDC input supplied by Listed ITE power supply or Class 2 source
2. UL 508/cUL Ordinary Locations only, CE Approval Label
3. DIN Rail Mountable bracket (sold separately)
4. I/O Connectivity
5. Mounting via Wall or Shelf Brackets
6. Made with Pride in the USA



(MTG-DIN-nPC10)

DIN Rail Mounting Bracket (DIN Rail kit sold separately)

- Mounting kit includes DIN Rail bracket that mounts to 75mm or 100mm VESA mounting pattern on rear of M-Series monitors
- Also allows nPC10 to be mounted to any DIN Rail.



Standard 2-year warranty
- Covers parts and service



Order Number Generation

Base unit configuration: nPC10-N2930-4GB-TMR, includes ThinManager-Ready Nematron nPC10 with Intel Quad Core Celeron N2930, No storage drive, No operating system, 4 GB DRAM, and External AC Power Supply.



nPC10-N2930-4GB-TMR

Processor: _____
-N2930 Intel Quad Core Celeron N2930 (fanless)

Storage: _____
-4GB 4 GB DRAM

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