



NISE3000 C30-E

AI-Driven High-Performance Expandable Edge Controller
Intel® Core™ Ultra 9/7/5 Processors (Series 2)
One PCIe x8 expansion
One PoE Port 15W/port
One USB-C PD 45W

- Intel® Core™ Ultra 9/7/5 Processors (Series 2), up to 35W
- Intel® Q870 PCH
- Support 2 x DDR5-6400 CSO-DIMM, unbuffered, non-ECC, up to 96GB (48GB per DIMM)
- Support 1 x 2.5" SATA HDD/SSD
- 1 x DP, 1 x HDMI®, 1 x USB Type-C (DP Alt Mode)
- USB-A 3.2 Gen 2x2, 20Gbps, Type-C (PD 45W, DP Alt mode)
- USB-A 3.2 Gen 2x2, 20Gbps, Type-C (5V/3A, 15W)
- 2 x RS-232/422/485 (2.5KV isolation), 1 x RS-232
- 4 x 2.5GbE LAN, including 1 x PoE (15W/port)
- 1 x M.2 Key B 2242/3052, 1 x M.2 Key E 2230, 1 x M.2 Key M 2280
- One PCIe x8 expansion

Specifications

< Processor	• Intel® Core™ Ultra processors (Series 2) (embedded), up to 35W
	• Turbo Boost is disabled (default)
Memory	• 2 x DDR5 6400 CSODIMM, unbuffered, non-ECC, up to 96GB, 48GB per DIMM

Display Interface	• 1 x HDMI® 1.4b, up to <u>3840x2160@60Hz</u> • 1 x DP 1.4a, up to <u>3840x2160@60Hz</u> • 1 x USB Type-C (DP 1.4a Alt mode), up to <u>3840x2160@60Hz</u>
I/O Interface-Front	• 1 x ATX power on/off switch LED indicators : - 4 x COM Tx/Rx - 4 x LAN active - 1 x GPO status - 1 x HDD/SSD status - 1 x Battery low - M.2 Key M 2280 status • 4 x USB 2.0, Type-A • 1 x Line-out and 1 x Mic-in - HD Audio Codec, Realtek ALC888 • 2 x Antenna holes • Optional I/O Interface (supports DB44 brackets, DIO modules, FBI modules, etc.)
I/O Interface-Rear	• 1 x 2.5GbE RJ45 PoE port, Intel® I226-IT (15W/port) • 3 x 2.5GbE RJ45 port, Intel® I226-IT • 1 x HDMI® 1.4b, up to <u>3840x2160@60Hz</u> • 1 x DP 1.4a, up to <u>3840x2160@60Hz</u> • 4 x USB 3.2 Gen 2, 10Gbps, Type-A • 1 x USB 3.2 Gen 2x2, 20Gbps, Type-C - PD 45W: 5V/3A, 9V/3A, 15V/3A - DP Alt mode1 x USB 3.2 Gen 2x2, 20Gbps, Type-C (5V/3A, 15W) • 2 x COM Port (DB9), support RS-232/422/485 (2.5KV isolation) • 1 x COM Port (DB9), support RS-232 • 1 x 3-pin DC input, supports +24 VDC input with +/-20% range • 1 x 3-pin remote power on/off switch
I/O Interface-Internal	• 8 x GPI and 8 x GPO (5V, TTL type) • 1 x M.2 Key B 2242/3052 (PCIe 3 x2, USB 3.2, SATA, SIM) • 1 x M.2 Key M 2280 (PCIe 4 x4, NVMe) • 1 x M.2 Key E 2230 default (PCIe x1, USB 2.0) or 1 x Mini PCIe by request (PCIe x1, USB 2.0, SATA, SIM) • 1 x USB 2.0 vertical Type-A connector for encryption dongle • Internal micro-SIM card slot • TPM 2.0
Storage	• 1 x 2.5" SATA 3.0 HDD/SSD • 1 x M.2 Key M 2280, 1 x M.2 Key B 2242
Expansion Slot	• 1 x PCIe x8, up to 20W, 169mm max. length
Power Requirement	• AT/ATX(default) power mode • +24V DC with +/-20% range input
Mechanical	• Dimensions: 204mm (W) x 272mm (D) x 99mm (H) • Aluminum and metal chassis with fanless design
Environment	• Operating temperature: Ambient with air flow: -20°C~60°C (according to IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14) • Storage temperature: -20°C~80°C • Relative humidity: 10%~95% (non-condensing) • Shock protection: - HDD: 20G@wallmount, half sine, 11ms (operation), IEC 600682-27 - SSD: 50G@wallmount, half sine, 11ms (operation), IEC 600682-27 • Vibration protection: - Random: 0.5Grms@5~500Hz, IEC 60068-2-64 - Sinusoidal: 0.5Grms@5~500Hz, IEC 60068-2-6
Certifications	• CE • FCC Class A

OS Support

- Windows 11 IoT Enterprise LTSC
- Windows 10 IoT Enterprise LTSC, 64-bit
- Linux for Ubuntu