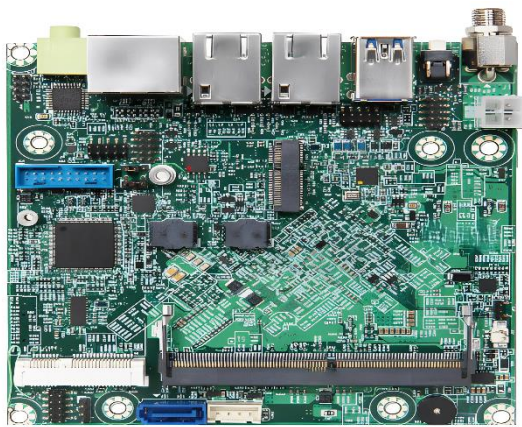


NTX-27003

Intel Atom® Series SoC based NANO-ITX Board



FEATURES

- Intel Atom® x6000E SoC (Formerly Elkhart Lake).
- Supports up to 32GB of DDR4 3200 MT/s non-ECC SO-DIMM.
- Triple display by DP, HDMI and VGA.
- High speed dual 2.5 Gigabit Ethernet, high bandwidth I/O interface.
- High speed dual 2.5 Gigabit Ethernet, high bandwidth I/O interface.
- Support a wide -40°C to 85°C industrial temperature range.
- Onboard TPM 2.0.

NTX-27003	
PROCESSOR	Intel Atom® dual/quad-core x6000E family SoC (up to 12W)
BIOS	AMI UEFI BIOS
MEMORY	DDR4 3200 MT/s Non-ECC SO-DIMM up to 32GB
STORAGE DEVICES	1x SATA III port, 1x mSATA socket (Choose either mSATA or mini-PCIe by BIOS), 1x Micro-SD socket
WATCHDOG TIMER	Programmable by embedded controller
HARDWARE MONITORING	System monitor (Voltage, Fan Speed and Temperature)
EXPANSION INTERFACE	1x M.2 Type E socket, 1x full size mini-PCIe socket (Choose either mSATA or mini-PCIe by BIOS)
AUDIO	High-Definition Audio integrated in Intel® SoC, Realtek ALC892 HDA codec, Audio jack on rear I/O with Line-out and on-board pin header with Line-in, Line-out, and Mic-in
ETHERNET	1x Intel® I226-IT 2.5GbE controller, 1x MaxLinear GPHY215 2.5GbE PHY, 2x RJ45 connectors on rear
SERIAL PORT	1x RS-232/422/485 on board connector (selected by BIOS)
USB	2x USB 3.2 Gen 2 ports on rear I/O (10Gbps), 2x USB 3.2 Gen 2 ports on board with header (10Gbps)
GRAPHIC CONTROLLER	Intel® Gen 11 Graphics, Supports Real-time performance with Intel® Time Coordinated Computing (TCC) and Time Sensitive Networking (TSN)
DISPLAY INTERFACE	1x HDMI port on rear I/O, up to 4K resolution, 1x DP port on rear I/O, up to 4K resolution, 1x VGA on board connector
DIMENSION	120mm(L) x 120mm(W), 4.72"(L) x 4.72"(W)
POWER SUPPLY	DC 12V input
OPERATING TEMPERATURE	-40°C~85°C
STORAGE TEMPERATURE	-40°C~85°C
RELATIVE HUMIDITY	5~95%, non-condensing
GPIO	8-bit configurable controlled by embedded controller
OTHERS	TPM 2.0 onboard
CERTIFICATIONS	CE, FCC
WARRANTY	2 Years