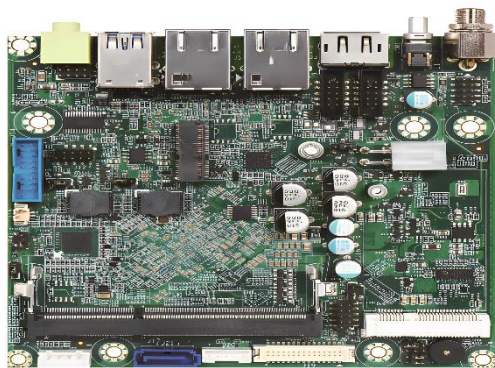


NTX-27004

Intel Atom® series SoC based NANO-ITX Board



FEATURES

- Intel Atom® Dual/Quad Core E3900 series SoC.
- DDR3L 1866/1600 MT/s SO-DIMM up to 8GB.
- Triple Display by VGA, DP, and LVDS.
- M.2 socket, SATA III port, mini-PCIe, and mSATA socket.
- Wide range 12V to 24V DC power input.
- Support a wide -40°C to 85°C industrial

NTX-27004	
PROCESSOR	Intel Atom® Dual/Quad Core E3900 series Processor (up to 12W), 2MB Cache
BIOS	AMI UEFI BIOS
MEMORY	1x DDR3L 1866/1600 MT/s SO-DIMM up to 8GB
STORAGE DEVICES	1 x 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	Temperature (CPU & System), Voltage (CPU Vcore,12V, 5V, 3.3V, 1.35V)
EXPANSION INTERFACE	1x M.2 socket (E key), 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	Dual Intel® I210IT GbE controller (E3950/ E3940 only), Dual RJ45 connectors on rear I/O (E3950/ E3940 only), Singal Intel® I210IT GbE controller and singal RJ45 (E3930 only)
SERIAL PORT	1x RS-232/422/485 on board connector (selected by bios)
USB	2x USB 3.0 ports on rear I/O, 2x USB 3.0 ports on board with header
GRAPHIC CONTROLLER	Intel® Gen 9 Graphics supports DirectX 12, OpenGL® 4.2 / OpenCL® 2.0, Video decode HW acceleration support for H.264, H.265, MPEG2, VC-1/WMV9, JPEG, VP8, and VP9
DISPLAY INTERFACE	Dual channel 24bit LVDS on board connector, up to 1920x1200, VGA: 1x DB-15 on board connector, up to 2560x1600, DP: 1x DP port on rear I/O, up to 4096x
DIMENSION	120mm(L) x 120mm(W); 4.72"(L) x 4.72"(W)
POWER SUPPLY	DC 12-24V input
OPERATING TEMPERATURE	-40°C~85°C
STORAGE TEMPERATURE	-40°C~85°C
RELATIVE HUMIDITY	5%~95%, non-condensing
GPIO	8bit configurable controlled by embedded controller
OTHERS	TPM 2.0 on board
MTBF	Over 100,000 hours at 40°C
CERTIFICATIONS	CE, FCC Class B
WARRANTY	2 Years