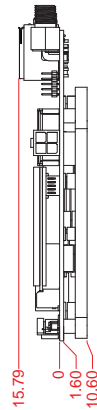
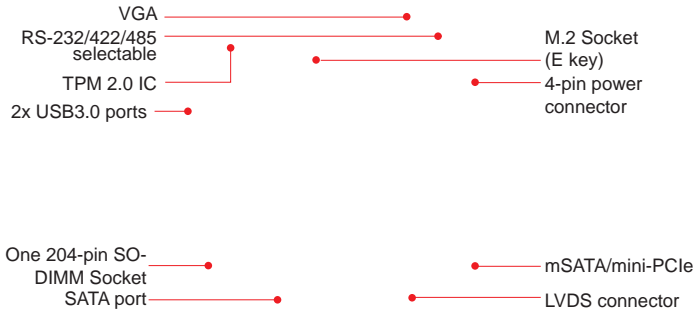


NANO-6062

Intel® Apollo Lake Atom® Dual/Quad Core E3900 series SoC based on NANO-ITX. Board with Triple Displays, GbE LAN, USB 3.0, M.2, SATA III, Mini-PCIe, and mSATA



NANO-6062 build with Intel® Atom® processor E3900 series. Not only does it operates with TDP under 12W for fan-less applications, but it also supports industrial temperature range from -40°C to 85°C and wide voltage of power input from 12V to 24V. Support four USB 3.0 ports ensures fast data transmission with low-power consumption. Two SATA III interfaces with up to 6 Gb/s (one of them available as mSATA and the other for 6 \$ 7 \$ DOORZ TXLFN DQG AH[L EOH V\ VWHP H[S DQ Watchdog Timer Programmable by embedded controller

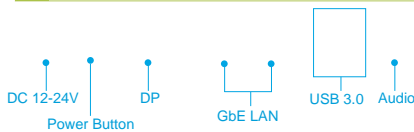
GENERAL

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	- 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	- 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)

FEATURES

- „ Intel® Atom® Dual/Quad Core E3900 series SoC
- „ Supports DDR3L 1866/1600 MT/s SO-DIMM up to 8GB
- „ Supports triple displays by VGA, DP, and LVDS
- „ Supports M.2 socket, SATA III port, mini-PCIe, and mSATA socket
- „ Supports DC 12-24V input

REAR/I/O



ORDERING GUIDE

AB1-3E89Z	(R).NANO-6062-E3950 Nano-ITX ESB. Intel® Atom® Quad Core 1.6GHz (12W). w/DDR3L SO-DIMM/ VGA/ LVDS/ DP/ Dual GbE LAN/ M.2/ SATA III
AB1-3G40Z	(R).NANO-6062-E3940 Nano-ITX ESB. Intel® Atom® Quad Core 1.6GHz (9W). w/DDR3L SO-DIMM/ VGA/ LVDS/ DP/ Dual GbE LAN/ M.2/ SATA III
AB1-3G41Z	(R).NANO-6062-E3930 Nano-ITX ESB. Intel® Atom® Dual Core 1.6GHz (6W). w/DDR3L SO-DIMM/ VGA/ LVDS/ DP/ Dual GbE LAN/ M.2/ SATA III

PACKING LIST

One NANO-6062 NANO-ITX Main Board
One Passive Heat Spreader
One Installation CD

I/O INTERFACE

Audio	+ L J K ' H ¿ Q L W L R Q \$ X G L R s d Q Q W H J U D W H G L Q , Q W H O - 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 - Dual RJ45 connectors on rear I/O
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
GPIO	ELW FRQ ¿ J X U D E O H FR Q W U R O O H G E \ H P E H G G H G FR Q W
Other	TPM 2.0 on board

DISPLAY

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	- LVDS: 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 4096x2160

Mechanical & Environment

Dimension	120mm(L) x 120mm(W) ; 4.72"(L) x 4.72"(W)
Power Supply	DC 12-24V input
Environment	- Operation Temperature: -40°C~85°C - Storage Temperature: -40°C~85°C - Relative Humidity: 5%~95%, non-condensing
& H U W L ¿ F D W L R Q E, FCC Class B	
MTBF	Over 100,000 hours at 40°C

