



mITX-H110A

Mini-ITX with 7/6th Generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® Processor, Dual channel DDR4 memory, PCIe, 2 x COM, 10 x USB, 3 x SATA 6Gb/s

Key Features

- Mini-ITX form factor
- Supports 7/6th Generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® Processors
- Intel® H110 Express Chipset
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 3 x SATA 6Gb/s ports with a SATA DOM supported
- 1 x 2280/2242 M.2 M-Key Storage SATA Slot
- HDMI, Display Port, D-Sub, LVDS/eDP ports for multiple display
- Realtek ALC269 audio codec
- 2 x RS-232/422/485, 5V/12V/RI COM Ports

Application

- Factory Automation
- Smart Retail
- Industrial PC
- KIOSK / POS
- Embedded & Industrial Applications
- Healthcare

SPECIFICATION

Mini-ITX with 7/6th Generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® Processors, Dual channel DDR4 memory, PCIe, 2 x COM, 10 x USB, 3 x SATA 6Gb/s

FORM FACTOR	Thin Mini-ITX 170W x 170D(mm)
CPU	Support for Mini-ITX with 7/6th Generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® processors in the LGA1151 package TDP under 65W L3 cache varies with CPU
SOCKET	1 x LGA 1151
CHIPSET	Intel® H110 Express Chipset
MEMORY	2 x DDR4 SO-DIMM sockets supporting up to 32 GB of system memory Dual channel memory architecture Support for DDR4 2133/2400 MHz memory modules
ETHERNET	2 x GbE LAN ports (Intel® i219V and Intel® i211AT)
VIDEO	Integrated Graphics Processor - Intel® HD Graphics support: 1 x HDMI port, supporting a maximum resolution of 4096 x 2160@30 Hz 1 x DP port, supporting a maximum resolution of 4096 x 2160@60 Hz 1 x D-Sub port, supporting a maximum resolution of 1920 x 1200@60 Hz 1 x eDP port, supporting a maximum resolution of 1920 x 1080@60 Hz 1 x LVDS port, supporting a maximum resolution of 1920 x 1080@60Hz 2 independent display outputs
AUDIO	Realtek ALC269 High Definition Audio
STORAGE	3 x SATA 6Gb/s ports (1 x SATA support DOM)
EXPANSION SLOTS	1 x PCIe x16 (Gen3 x16 bus) slot 1 x Full-size miniPCIe slot 1 x 2280/2242 M.2 M-Key (SATA 6Gb/s) slot
INTERNAL I/O	1 x 4-pin ATX main power connector 3 x SATA 6Gb/s connectors 2 x SATA power connectors 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 3 x USB 2.0/1.1 headers 2 x USB3.0 headers 1 x COM header (RS-232/422/485 and RI/5V/12V) 1 x Clear CMOS jumper

	<p>1 x GPIO (8-bits) & SMBUS header 1 x Backlight Control header 1 x LVDS/eDP connector (option) 1 x 2W Speaker out header</p>
REAR I/O	<p>3 x Audio jacks (Line in, Line out, Mic in) 1 x COM (RS-232/422/485 and RI/5V/12V) 1 x HDMI 1 x Display Port 1 x D-Sub 2 x RJ45 2 x USB2.0 2 x USB3.0 1 x DC Jack (+12/+19/+24VDC)</p>
TPM	<p>1 x TPM Header</p>
OS COMPATIBILITY	<p>Windows 10 (x64) Windows 7 (x64)</p>
PSU CONNECTORS	<p>1 x DC-in (+12/+19/+24VDC) 1 x 4-pin ATX power connector</p>
OPERATING PROPERTIES	<p>Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -20°C to 70°C Non-operating humidity: 0%-95% (non-condensing)</p>
PACKING CONTENT	<p>BOX Packing Capacity: 10pcs Carton size: 460 x 345 x 203(mm) Content: IO Shield x 1 (12AIO-MDH114-00R) SATA Power cable x 1 (25CRI-200B02-K1R)</p>
ORDER INFORMATION	<p>9MDH11LIMR-SI</p>
OPTIONAL KIT	<p>TPM 1.2 module: 9CMUFLNR-00 TPM 2.0 module: 9CTM000NR-00</p>