

MB-8301 NEW

Mini-ITX with 4th generation Intel® Core™ Mobile / Haswell processor, Intel® QM87 chipset, HDMI/DVI/VGA/LVDS, PCIe X16, 2 Mini-PCIe, 2 GLAN, 4 SATA, 6 COM, USB3.0, DC 8V ~ 32V input



Features

- Onboard 4th generation Intel® Core™ mobile processor
- Intel® QM87 express chipset
- DDR3 up to 16GB, HDMI/DVI/VGA and 24-bit LVDS
- 2 x Intel® Giga LAN, 2 x Mini-PCIe
- 6 x COM, 10 x USB, LPC, SMBus
- 4 x SATA w/ RAID, HD Audio
- PCIe X16 & X1 slots, 2 x Mini-PCIe Socket
- Wide range DC 8V ~ 32V input

System

Form Factor	Mini-ITX
Processor	Onboard 4th Gen Intel® Core™ i7/i5/i3 Mobile processor
Chipset	Mobile Intel® QM87 Express chipset
Memory	2 x 204-pin Dual-Channel DDR3L 1600 up to 16GB
BIOS	AMI SPI BIOS
Watchdog timer	255 levels, 1 ~ 255 Sec.
Ethernet	1 x Intel® i211AT Gigabit ethernet 1 x Intel® i217LM Gigabit ethernet
SSD	1 x Half-Size Mini-PCIe support mSATA
Storage	4 x SATA 6.0 Gb/s w/ RAID 0/1/5/10
Digital I/O	8-bit programmable
LPC	1 x LPC support TPM module
Expansion Interface	1 x PCI-Express X16, 1 x PCI-Express X1 1 x Full-Size Mini-PCIe (w/ USB, PCIe X1 signal) 1 x Half-Size Mini-PCIe (w/ USB, PCIe X1 and SATA signal)
Power Requirement	DC 8V ~ 32V input
Board Size	170mm x 170mm
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Display

Chipset	Intel® Haswell processor Integrated
Display Interface	1 x HDMI 1 x DVI-D 1 x VGA 1 x 24-bit Dual-channel LVDS

I/O

Serial Port	1 x RS232/422/485 & 5 x RS232
USB	4 x USB3.0, 6 x USB2.0
Audio	Line-in, Line-out, Mic-in
PS/2	1 x Keyboard, 1 x Mouse

Packing

- SATA cable
- SATA power cable
- I/O Shield
- CD utility

Ordering Information

MB-8301A-D24	Mini-ITX w/ i3-4100E, 2 GLAN, HDMI/DVI/VGA/LVDS, RS232 / 422 / 485, USB3.0, Mini-PCIe socket, 4 SATA, LPC, PCI-Express X16 slot
MB-8301A-D27	Mini-ITX w/ i5-4400E, 2 GLAN, HDMI/DVI/VGA/LVDS, RS232 / 422 / 485, USB3.0, Mini-PCIe socket, 4 SATA, LPC, PCI-Express X16 slot
MB-8301A-Q24	Mini-ITX w/ i7-4700EQ, 2 GLAN, HDMI/DVI/VGA/LVDS, RS232 / 422 / 485, USB3.0, Mini-PCIe socket, 4 SATA, LPC, PCI-Express X16
MB-8301A-D22	Mini-ITX w/ Celeron 2000E, 2 GLAN, HDMI/DVI/VGA/LVDS, RS232 / 422 / 485, USB3.0, Mini-PCIe socket, 4 SATA, LPC, PCI-Express X16
R191A	TPM 1.2 module via LPC pin header
RE-S01	Riser card support 1 x PCIe X16 and 1 x PCI slot

Optional Accessories

46L-ICOM38-00	Dual D-Sub 9-pin COM port card, L/ 250mm, with bracket
46L-IUSB07-AA	Dual USB cable, L/ 250mm, with bracket

* Note All specifications are subject to change without prior notice