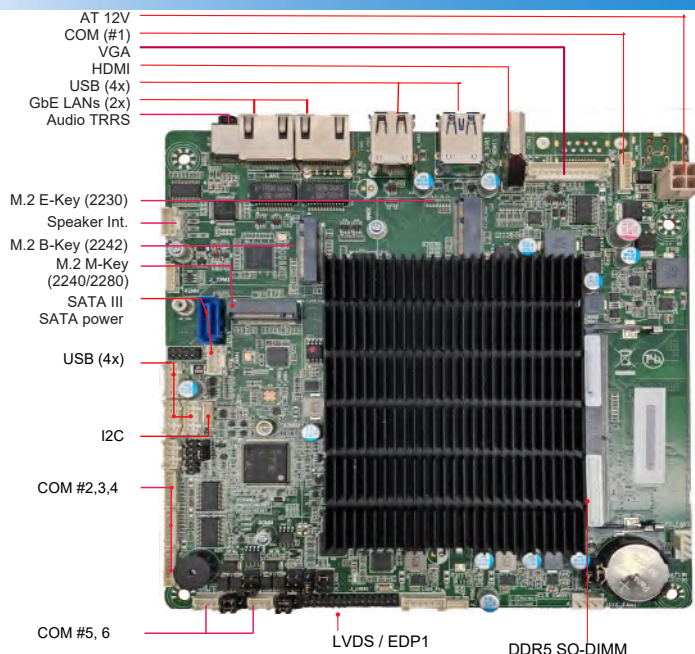


MINI-iTx Single Board Computer

Low Power SBC with Intel® X7211E processors, DDR5, HDMI and VGA, I2C, 6 COMs



Features

- Intel® Core™ N-series or X-series processor Low Power MI8385F with **Intel X7211E/X7211RE 6W Processors** DualCore
- **1x DDR5** SO-DIMM, Max. 16GB
- Video output **HDMI**, VGA over Wire Connector
- **2x GbE Intel** 210-AT, 226-V, RJ45
- 8x USB (2x 3.0, 6x 2.0) total
- 6x COM (4xRS232, 2x RS422/**485**/TTL)
- Storage memory SATA III or NVME
- Expansion M.2 sockets (E-key, M-key, B-key) NvME/USB
- Power input **12Vdc** input (mode AT or ATX)
- Supports TPM 2.0, Watchdog timer, Digital I/O



Specifications

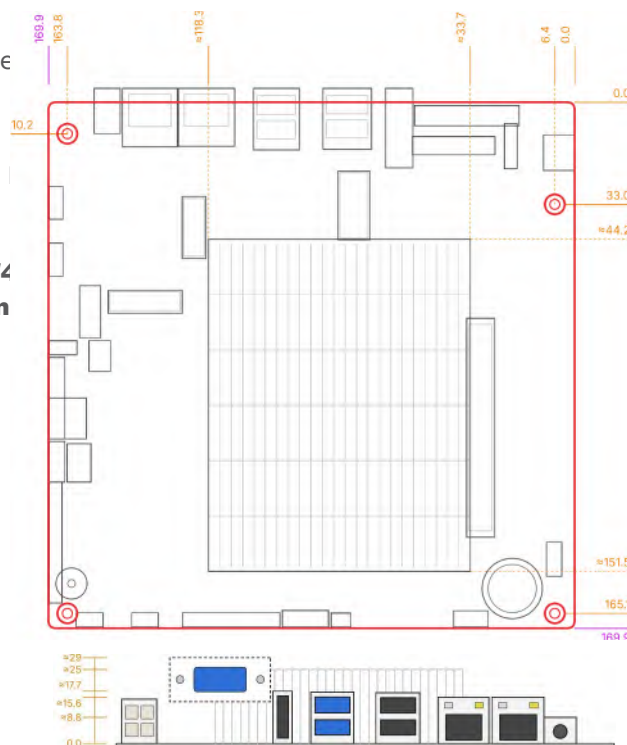
CPU	Intel® X7211E/X7211RE Atom™ X serie
PCH	N/A
Memory	1x DDR5 SO-DIMM 4800/5600, Max. 16GB
BIOS	AMI UEFI BIOS
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	SATA III, M.2 2280/2240 NVMe
Mini Type Slots	3x M.2 sockets (E-key, M-key, B-key) (PCIe Gen5)
Graphics Controller	Intel® SoC integrated Gen12 graphics
Video Output	HDMI, VGA (over cable)
Ethernet	Dual Intel GBE LAN Chip (10/100/1000 Mbps, 10GbE)
I/O Chipset	on board
Serial Port	1x RS232 (COM1 on edge) 3x COM on header, 2x Multi mode RS422/485
USB 2.0	4x USB 2.0 via (pin header), 2x TYPE-A on board
USB 3.X	2x USB 3.0 TYPE-A on edge
Serial ATA	1x SATA III / with power on header
Audio	built-in HD audio + ALC888S codec
TPM	Intel processor serie X or N TPM 2.0 (dTPM)
Others	Digital I/O (4-in/4-out), 12V DC-in/ATx
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	12w TDP
Operating Temperature	-20°C~60°C (-4°F~140°F)
Storage Temperature	-20°C~75°C (-4°F~176°F)
Relative Humidity	10% ~ 90% (non-condensing)

*picture for representation only, may differ

Ordering Information

MB-MI8385VFE	Intel® X7211E/X7211RE SoC on board Mini-iTx SBC Dual Core 6w, 3.2GHz, 2xEthernet, 8xUSB, 6xCom, I2C, HDMI, VGA, 12v DC-in, DDR5
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Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice
2. ODM/OEM is available. 3. For user manual & datasheet download, visit www.ibt.ca

1-866-590-4288

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