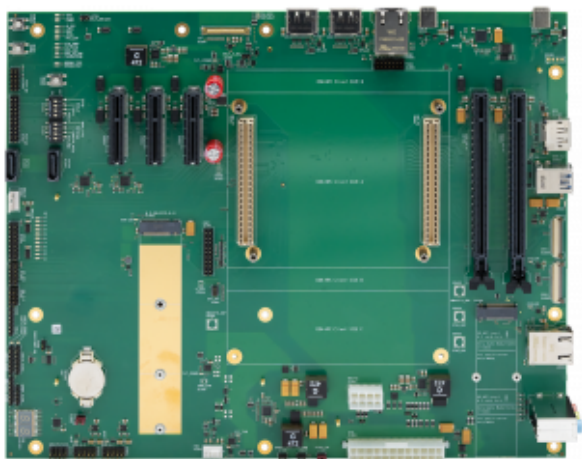


TRIA HC-MB-EV

COM-HPC Client Carrier

305 x 244



⚡ N.A

🌡 0 +60

COM+HPC

Highlights

- Socket for COM-HPC® Client modules, Size A, B, C
- PCI Express® x16 slot (PEG/general PCIe)
- PCI Express® x16 slot (general PCIe)
- Three PCI Express slots 1×4
- Support for PCIe Gen 3 and 4
- Two SATA connectors
- M.2 socket for mass storage and AI modules
- Two USB4® Gen 2×2, Type-C connectors
- Two USB 3.2 Gen 2×1 Type-A connectors
- Two 1G/2.5G/10GBASE-T connectors (RJ45)
- Three DisplayPort connectors
- One eDP connector
- Audio module socket
- Various additional COM-HPC® specific interfaces
- Power supply via ATX-style power connectors
- Wide power input range
- Size 305mm x 244mm (ATX)

Technical Data

Formfactor	ATX
Flash	M.2 socket for mass storage and AI modules: PCIe x4 Card lengths 42/80/110 mm, M-key, max. 15W
Storage Interfaces	2x SATA up to 6Gb/s on on-board connectors
USB	2x USB4 Gen 2x2, Type-C connector on faceplate, 15W power delivery each 2x USB 3.2 Gen 2x1, Type-A connector on faceplate 4x USB 2.0 available on pin headers Supported USB modes depending on installed COM-HPC module capabilities
Serial Interfaces	Two serial high speed ports routed from module socket to on-board pin headers Supported modes depending on installed COM-HPC module capabilities
Bus Interfaces	PCI Express Gen 3 and 4 One PEG port x16 on PCI Express x16 socket; max. 75W One PCI Express slots 1x16; Three PCI Express slots 1x4; one slot max. 25W, two slots max. 10W Maximum connectivity and bandwidth is determined by installed COM-HPC module and PCIe cards
Display Interfaces	DisplayPort: Three DisplayPort connectors on faceplate Embedded DisplayPort: One 40-pin eDP on-board connector MIPI CSI: Two MIPI CSI connectors on-board MIPI DSI: Module signals shared with eDP
Network Interface	Two RJ45 LAN connectors on faceplate Routed to COM-HPC module socket Support up 10/100/1000, 2.5GBASE-T or 10GBASE-T depending on installed COM-HPC module capabilities Two status LED's integrated per connector
Audio Interface	Socket for audio module (separate order item) Audio interfaces available at triple audio jack on faceplate: Line In, Line Out/Headphones, Microphone
Miscellaneous	Various pin-headers providing: GPIO, SMBus, I ² C bus, SPI, power button, reset button, power conditions and other system signals PORT 80 display Serial high speed port: Two ports routed from module socket to on-board pin headers BIOS Flash: Pin-header for external BIOS Flash, selectable either on-board or on the module Fan: 4 pin fan connector; PWM controlled by COM Express module EEPROM: One serial EEPROMs on I ² C bus Battery: CR 2032 type RTC battery (3V, socketed)
Feature Highlights	Carrier board for COM-HPC® Client pin-out Note: availability and capabilities of interfaces determined by installed COM-HPC Client module and I/O cards.
Power Requirement	ATX supply via Standard 24pin ATX and ATX12V connectors Single voltage supply via ATX12V connector (optionally wide input range 8V to 20V)
Environment	Ambient Temperature: 0° ... 60°C (operating), -25° ... 85°C (storage) Humidity: 5 ... 95% (operating, non-condensing), 5 ... 95% (storage, non-condensing)

Dimensions	305mm x 244mm
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Technical Data for TRIA HC-MB-EV

Order Reference

Order No.	Description	Reference	Status*
114609	COM-HPC Client Carrier Board with 1x PEG x16, 1x PCIe x16, 3x PCIe x4 slots; 2x USB 4 Gen 2x2, 2x USB 3.2 Gen 2x1, 2x 1G/2.5G/10GBASE-T, 2x SATA; 3x DisplayPort, 1x eDP; audio module socket; 1x M.2 socket; 24pin ATX and ATX12V power connectors; Dimensions: 305mm x 244mm (ATX form factor);	MSC HC-MB-EV BRDFTX	PV
115177	HDA audio module with TSI 92HD95 audio codec for carrier boards SM2-MB-EP2, HC-MB-EV	MSC MOD-AUDIO- HDA-001 PCBFTX	PV

Ordering Information for TRIA HC-MB-EV

*PV = Preferred variant; OR = on Request (in OEM quantities only)

Accessories

Display Kits

Order No.	Description	Reference
78879	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 10.1" WVGA LCD with PCAP Touch Sensor and Touch Controller. Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch).	MSC DIS-AM1280800-101-KIT BRDFTX

10.1" Display kit

Order No.	Description	Reference
78880	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 12.1" WVGA LCD with PCAP Touch Sensor and Touch Controller Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch)	MSC DIS-AM1280800-121-KIT BRDFTX

12.1" Display kit

Order No.	Description	Reference
81871	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 5.0" WVGA LCD with PCAP Touch Sensor and Touch Controller Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch)	MSC DIS-AM800480-050-KIT BRDFTX

5.0" Display kit

Order No.	Description	Reference
78911	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 7.0" WVGA LCD with PCAP Touch Sensor and Touch Controller Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch)	MSC DIS-AM800480-070-KIT BRDFTX

7" Display kit

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