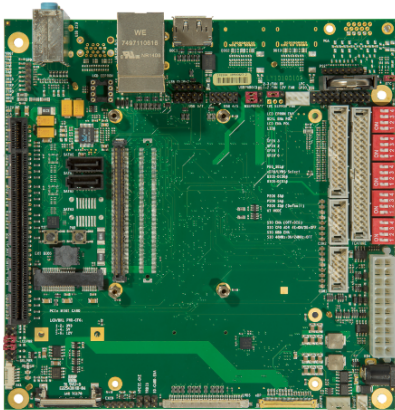


COM Express Type 10



TRIA C10-MB-EV

Mini-ITX Evaluation Board



170 x 170

1 / 2W

0 +60

COM  **Express**

Highlights

- Socket for COM Express™ Type 10 modules
- PCI Express x4 slot
- PCI Express Mini Card slot
- Two SATA connectors
- Two USB 3.0 interfaces
- Up to six USB 2.0 ports
- DisplayPort connectors
- LVDS and eDP connectors
- GbE interface
- SD Card slot
- HD audio codec
- Super I/O
- Various additional COM Express™ specific interfaces
- Power supply via ATX-style power connector or single voltage power jack
- Wide power input range
- Size 170mm x 170mm

COM Express Type 10



Technical Data

Formfactor	Mini-ITX
Flash	SD Card socket
Storage Interfaces	2x SATA up to 6Gb/s
USB	2x USB 3.0 (USB 2.0 compliant), 6x USB 2.0
Bus Interfaces	PCI Express™ One PCI Express x4 interface (on PCI Express x16 socket) LPC LPC bus on 10-pin header; usable for optional POST code display
Display Interfaces	DisplayPort One DisplayPort connector Embedded DisplayPort One 40-pin eDP connector LVDS One 30-pin Jili connector
Network Interface	RJ45 connector for LAN on COMe module, 10/100/1000 Mb/s supported, depending on COM Express module used, two status LED's integrated
Audio Interface	HD audio codec (Realtek ALC888) routed to 3x audio jacks and SPDIF on 5-pin header (product option)
Miscellaneous	Feature connector Carrying SMBus, I ² C bus, power button, reset button, beeper, HD LED and other system signals Fan 4 pin fan connector; PWM controlled by COM Express module EEPROM One serial EEPROMs on I ² C bus One serial EEPROM for LVDS configuration data Battery CR 2032 type RTC battery (3V, socketed)
Feature Highlights	Carrier board for COM Express Type 10 pin-out
Power Requirement	Standard 20pin ATX power connector and additional ATX12V connector Additional power jack for single voltage supply (wide input range 5V 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	170mm x 170mm

Technical Data for TRIA C10-MB-EV

COM Express Type 10



Order Reference

Order No.	Description	Reference	Status*
67293	COM Express Type 10 Evaluation Carrier Board with PCI Express x4 slot, USB 3.0/2.0, GbE, SATA, DisplayPort, eDP/LVDS and HD audio interfaces; Mini PCI Express socket, SD card slot, ATX power connector and single 12V power jack. Dimensions: 170mm x 170mm (Mini-ITX form factor)	MSC C10-MB-EV-001 PCBFTX	OR
110451	COM Express Type 10 Evaluation Carrier Board with PCI Express x4 slot, USB 3.0/2.0, GbE, SATA, DisplayPort, eDP/LVDS; Mini PCI Express socket, SD card slot, ATX power connector and single 12V power jack. Dimensions: 170mm x 170mm (Mini-ITX form factor)	MSC C10-MB-EV-002 PCBFTX	PV
1127126	IO Shield for C10-MB-EV	MSC C10-MB-EV-01 IOS-001	PV

Ordering Information for TRIA C10-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 SETPAC

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 SETPAC

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 SETPAC

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 SETPAC

7" Display kit

Tria Technologies GmbH
Industriestr. 16
76297 Stutensee
info@tria-technologies.com
tria-technologies.com

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