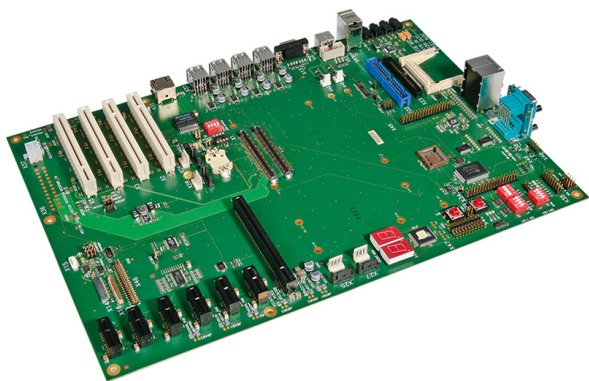


MSC CX-MB-EVA2

COM Express™ Type 2 Carrier Board



368x255



N.A.



0 +55

COM  **Express**



Description

COM Express™, an open specification of the PICMG (PCI Industrial Computer Manufacturer Group), is a module concept to bring PCI Express and other high speed serial technologies like SATA, USB 2.0 and LVDS on a COM Computer On Module).

The MSC CX-MB-EVA2 is an ideal platform to develop and prototype system electronics before a customer specific baseboard is available. It provides the interface infrastructure for the COM Express modules and offers PC type connectors for external access. Rapid prototyping to assess the fit of a specific CPU technology is a key instrument to shorten design cycles and to improve time to market of new systems. With this universal platform we offer the tool to test quickly what's needed to choose the right product out of our COM Express portfolio.

This development tool also helps to develop software in parallel with the hardware to speed up the integration process.

Highlights

- Socket for COM Express™ Type 2 modules
- Additional support logic (e.g. Super I / O)
- Four PCI slots
- Six PCI Express x1 slots
- Four SATA connectors
- IDE (40 / 44pin) header
- CompactFlash socket
- COM Express™ specific interfaces on
- PC style connectors
- Eight USB interfaces
- AC'97 and HD audio codec on board
- Post code LED display
- Different LVDS display connectors

Technical Data - MSC CX-MB-EVA2

Technology	Carrier
Formfactor	Development Carrier
Storage Interfaces	4 x SATA connector; 1 x IDE ATA-100 primary channel 2 x CompactFlash (Master, Slave)
USB	4 x USB header on front; 1 x miniUSB on front; 1 x USB internal; 1 x USB on mPCIe socket; 1 x USB on ExpressCard socket
Serial Interfaces	2 x RS-232C on 9pin Dsub; 1 x IrDA using one COM port; PS/2 for Keyboard and Mouse
Bus Interfaces	6 x PCI Express x1 socket; 4 x PCI slot, 32bit V2.1; 1 x PCI Express Graphic (PEG) slot with SDVO
Display Interfaces	VGA connector DSub15; LVDS on Jili30 with EEPROM for display data and backlight connector
Network Interface	1 x GbE from COM Express module
Audio Interface	AC97 codec with 6 jacks
Miscellaneous	POST code display GPIO on dip switch and with LED's Fan control LPC bus on pin row
OS Support	BSP (for onboard devices) for Windows and Linux
Power Requirement	Standard 24 pin ATX power and additional ATX 12V connector
Environment	Ambient Temperature: 0° ... +55°C (operating), -25° ... 85°C (storage) Humidity: 20 ... 80% (operating, non-condensing), 5 ... 95% (storage, non-condensing)
Dimensions	368 x 255
Certificates	UL / CE

Order Reference - MSC CX-MB-EVA2

Order Number	Description	Reference	Cat
32273	COM ExpressEvaluation board with PCI andPCI and PCI Express interfaces; serial I/F controller;POST display; HD-Audio and debugging support;	MSC CX-MB-EVA2 PCBFTX	PV

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