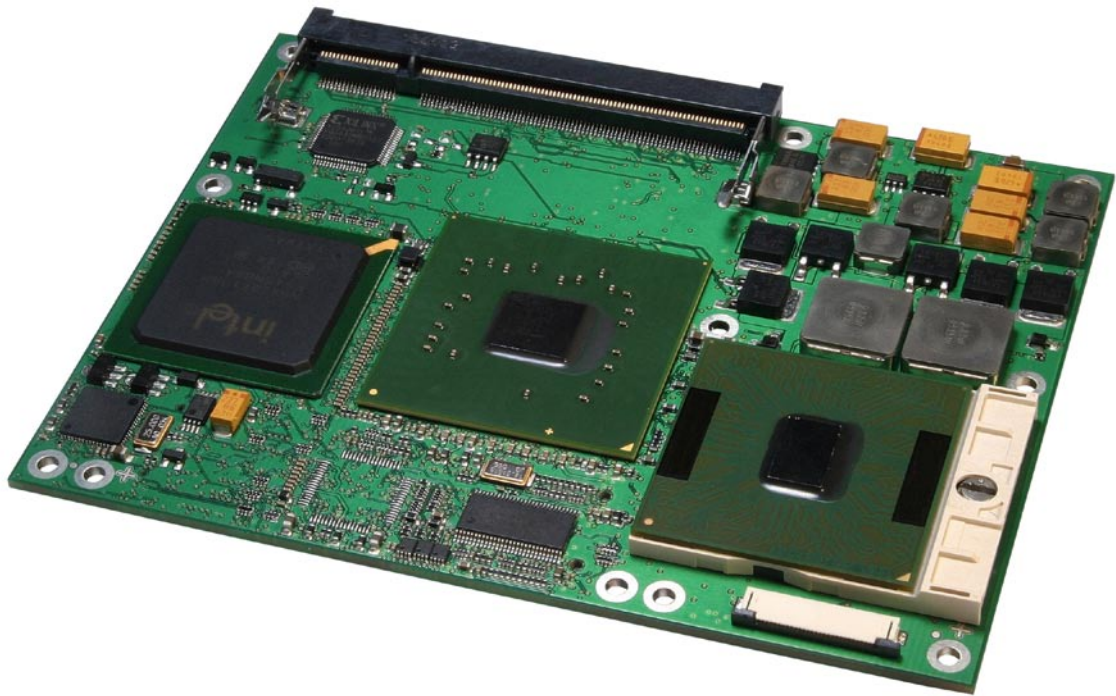


▶ ETXexpress[®]-CD

Up to Intel[®] Core[™] Duo processor



- ▶ Up to Intel[®] Core[™] Duo (up to 1,66 GHz) processor
- ▶ Up to 4 GB DDR2 SODIMM
- ▶ 2x SerialATA for highspeed drives, 8x USB 2.0 for fast peripherals
- ▶ Up to 4 PCI Express x1 and PCIe Graphic x16
- ▶ Gigabit Ethernet for high connectivity

Product Overview

ETXexpress® is the Module concept of the new open Standard COM Express (by PICMG®).

The new ETXexpress®-CD module is based on up to the Intel® Core™ Duo processor as well as the Intel® 945GME chipset. PCI Express is the primary data path for upcoming x86 based systems. Non PCI-Express components such as PCI plug-in cards can still be supported with the PCI 2.1 32 Bit Interface as ETXexpress® COM will continue supporting the PCI bus for legacy applications. The ETXexpress®-CD will support 4 PCI Express x1, PEG x16 lanes. Gigabit

Ethernet for high connectivity and 8x USB 2.0 provides fast and sufficient interfaces for external peripherals. ETXexpress® COM modules also will provide the following interfaces that are always located in the same physical position on each board, thus guaranteeing scalability between modules: PCI Express, PCI, USB, serial ATA, parallel ATA, LVDS Multi Media ports as well as an ACPI (Advanced Configuration and Power Interface) for optimized power management. Six mounting holes on the board provide secure mounting to allow the module increased shock and vibration resistance.

Technical Information

Processor	up to Intel® Core™ Duo processor up to 1,66 GHz up to Intel® Celeron® M processor 1,86 GHz
Chipset	Intel® 945GME, ICH7M-DH
Hard Disk	2x SerialATA (AHCI/RAID 0,1), 1x Parallel ATA
USB	8x USB 2.0 ports
Memory	Physical memory up to 4 GB (533/667) DDR2 SODIMM by dual channel memory support
PCI Express	4 PCI Express x1 / 1 x4; 1 PEG x16
PCI	PCI 2.3, 32 bit / 33 MHz PCI bus
Ethernet	10/100/1000 MBit Ethernet, Realtek RTL8111C
Video Controller	Integrated with Intel® Graphics Media Accelerator (GMA950) with DirectX® 9.0/SM3.0 and DVM 3.0 support; Dual SDVO multiplexed with PEG

Sound	Intel® High Definition Audio / AC 97
CRT and LVDS Resolutions	CRT up to 2048 x 1536, LVDS up to 1600 x 1200, (JILI3 / EDID support)
LCD Panel Support	Single and Dual Channel LVDS 18/24 bit
TV out / HDTV Resolution	TV output. Component , S-Video or composite HDTV support (480p/720p/1080i/1080p)
Other Features	LPC, JIDA Support, WakeOnLAN, Watchdog, I²C Bus, RTC, 8 GPIO, LAN Boot, JRC support, Suspend states (S0/S3/S4/S5)
Form Factor / Pin-out Type	Fully COMexpress™ Type 2 compliant 95 x 125mm
Power Consumption	typ. Idle 14W @ Intel® Core™ Duo processor L2400 LV
Temperature (*)	operation: 0° to 60°C, storage: -10° to 85 °C
Humidity	operation: 10% to 90%, storage: 5% to 95% (non condensing)

(*) Ask about extended temperature ranges

Ordering Information

Article	Part.-No.	Description
ETXexpress®-CD DCM	38003-0000-17-5	with Intel® Core™ Duo L2400 LV (1.66GHz, 667FSB, 2MB L2), up to 4GB DDR2
ETXexpress®-CD DCM	38003-0000-19-4	with Intel® Celeron® M 440 (1.86GHz, 533FSB, 1MB L2), up to 4GB DDR2
ETXexpress®-CD-HSP	38003-0000-99-0	Heatspreader for ETXexpress®-CD with soldered processor, threaded stand off
ETXexpress®-CD-HSP	38003-0000-99-1	Heatspreader for ETXexpress®-CD with socketed processor, through hole stand off
HSK-ETXexpress®-CD, w/ Fan	38003-0000-99-0C01	threaded 2,5mm stand off, soldered CPU (BGA)
HSK-ETXexpress®-CD, w/o Fan	38003-0000-99-0C02	threaded 2,5mm stand off, soldered CPU (BGA)

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