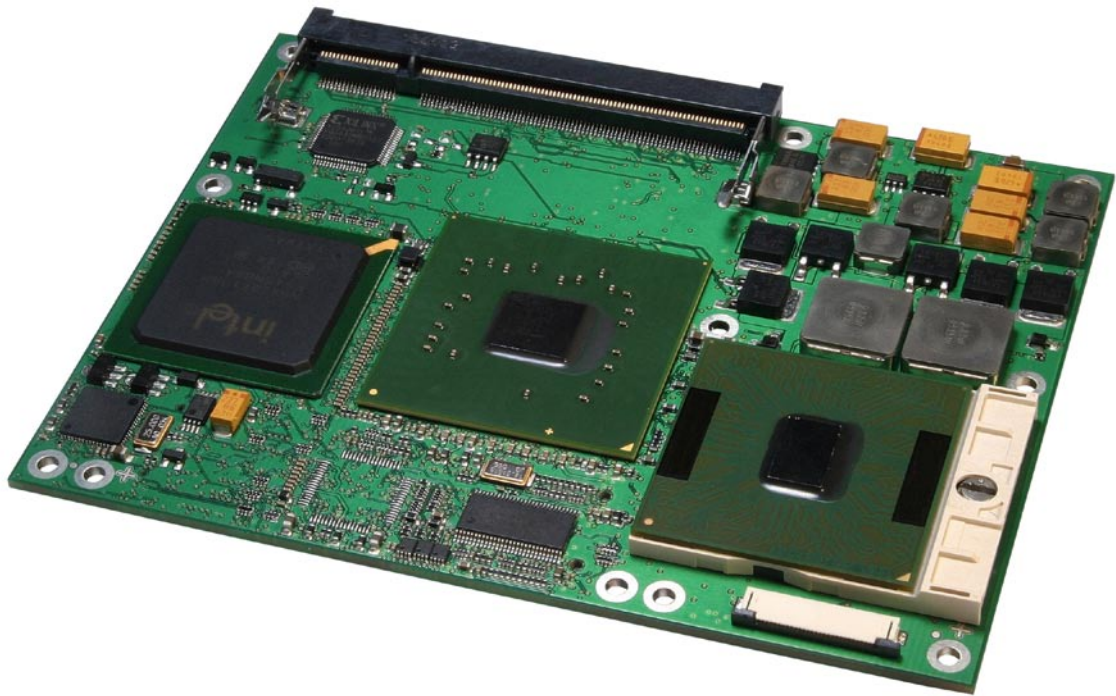


▶ ETXexpress[®]-CD

up to Intel[®] Core[™] 2 Duo processor



- ▶ Up to Intel[®] Core[™] 2 Duo processor
- ▶ Up to 4 GB DDR2 SODIMM
- ▶ 2x SerialATA for highspeed drives, 8x USB 2.0 for fast peripherals
- ▶ Up to 5 PCI Express x1 lanes and PCI Express Graphic x16 lanes
- ▶ 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™2 Duo processor as well as the Intel 945GM 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 3 PCI Express x1 lanes (opt. 5 PCI Express x1 Lanes), 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: PCIexpress, PCI32, 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™2 Duo processor
Chipset	Intel® 945 GM, ICH7M (opt. ICH7M-DH)
Hard Disk	2x SerialATA, 1x Parallel ATA
USB	8x USB 2.0 ports UHCI/EHCI compliant
Memory	Up to 4 GB DDR2 SODIMM by dual channel memory support
PCI-Express	3 PCI Express x1 lanes (opt. 5 PCI Express x1 lanes)
PCI	PCI 2.3, 32 bit / 33 MHz PCI bus
Ethernet	10/100/1000 MBit Ethernet, Realtek RTL8111B
Sound	Intel® High Definition Audio
Video Controller	Integrated with Intel® Graphics Media Accelerator (GMA950) or expand via PCI Express Graphic 1 x16 lanes / Dual SDVO

CRT and LVDS Resolutions	CRT up to 2048 x 1536, LVDS up to 1600 x 1200, (JIL13 / EDID support)
LCD Panel Support	Dual Channel LVDS 110 MHz
TV out / HDTV Resolution	TV output, Component, S-Video or composite HDTV support (480p/720p/1080i/1080p)
Other Features	JIDA Support, IrDA enhanced, WakeOnLAN, Watchdog, I²C Bus, RTC, E²PROM BIOS Setup, LAN Boot, JRC support, Suspend states (S0/S3/S4/S5)
Dimensions	95 x 125mm
Pin-out Type	Fully COMexpress™ Type 2 compliant
Power Consumption	typ. 17,16 W @ 2x 1.66 GHz, 12V
Temperature (*)	operation: 0° to 60°C, storage: -10° to 85 °C
Humidity	operation: 10% to 90%, storage: 5% to 95% (non condensing)

(*) Ask about wider temperature ranges

➤ Ordering Information

Article	Part.-No.	Description
ETXexpress®-CD	38003-0000-11-1	with soldered Intel® Celeron® M processor ULV 423 (1.06GHz, 533FSB, 1MB L2)
ETXexpress®-CD	38003-0000-17-2	with soldered Intel® Core™ Duo processor L2400 LV (1.66GHz, 667FSB, 2MB L2)
ETXexpress®-CD DCM	38003-0000-17-5	with Intel® Core™ Duo L2400 LV (1.66GHz, 667FSB, 2MB L2), up to 4GB DDR2
ETXexpress®-CD	38003-0000-19-1	with Intel® Celeron® M 440 (1.86GHz, 533FSB, 1MB L2), up to 2GB 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

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