➤ ETXexpress Eval

ET Xexpress™

www.etx-express.com

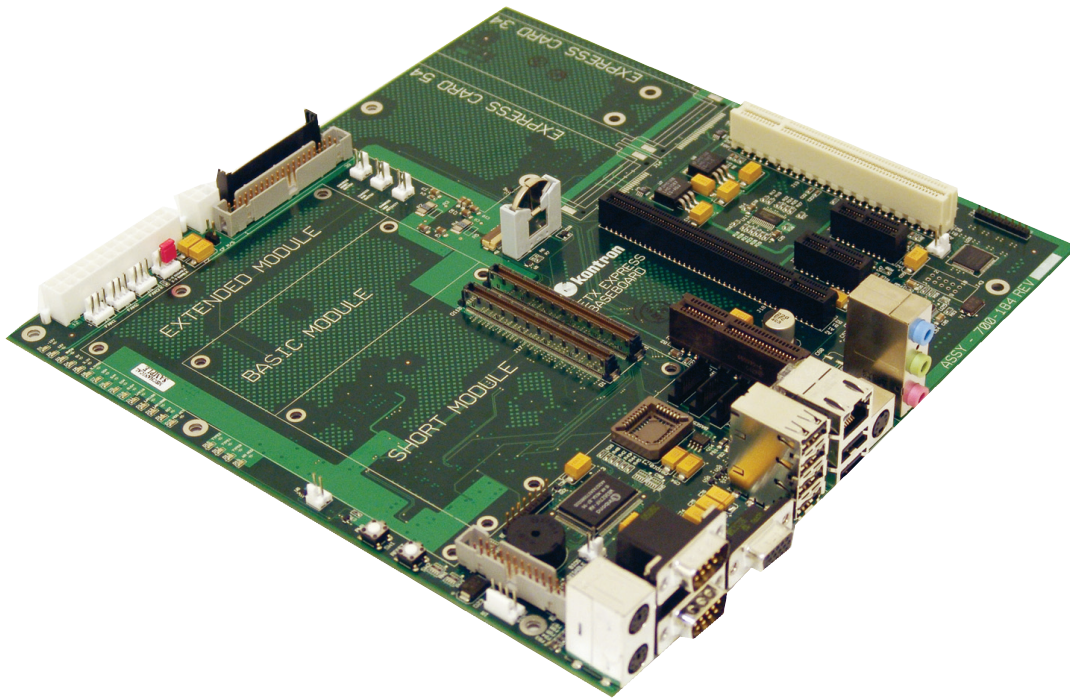COM Express

➤ Evaluation Carrier Board -- Type 2 ETXexpress modules

➤ For express evaluation purposes
➤ Includes all connectors for a quick start
➤ Choose your ETXexpress module -- Plug & Go

kontron

➤ Product Overview

The ETXexpress Evaluation carrier board is designed to allow embedded application developers to get up and running quickly on the ETXexpress modular platform, giving them a head start on the total system design. Simply select an ETXexpress CPU module, then Plug & Go.

The ETXexpress Eval is a microATX size carrier board offering new interfaces for PCI Express, PCI Express Graphics, and SATA in addition to USB 2.0, VGA, Gigabit Ethernet and more. The ETXexpress Eval also offers "plug and work" LCD display support with readily available LCD adapter cables based on Kontron's smart JILI interface.

Kontron's ETXexpress family of Computer-On-Modules (COMs) are fully compliant with the PCI Industrial Computer Manufacturer's Group (PICMG) COM Express Specification. With a complete array of connectors brought out on this carrier board, it serves as a reference design for other more customized variations.

The ETXexpress format represents a more cost effective replacement to time and resource consuming full custom designs. Time to market is dramatically reduced and future upgrades are as simple as choosing a new ETXexpress CPU module. Therefore, the total cost of ownership of the end design is improved as well.

➤ Technical Information

PCI Exress Interfaces
PCI Express Graphics 1x16 lanes
2x PCI Express x1 lanes
1x PCI

Harddisk Interface
2x Serial ATA
1x IDE (master & slave)

VGA Port
15pos for CRT

Ethernet
10/100Base-T or 10/100/1000Base-Tx (RJ45)

LCD Support
For LVDS panels via JILI cable

USB
6x USB 2.0 ports

Other Ports
Serial Digital Video Out (SDVO) via PCI Express Graphics
PS/2 mouse and keyboard, 2x Serial Ports, Parallel Port

Form Factor
microATX form factor
Supports PICMG COM Express pinout "Type 2" modules
Fits ETXexpress "Basic" and "Extended" modules and microETXexpress

Recommended Power Supply
ATX switchable 115V-/230V

Temperature
Operation: 0° to 70°C
Storage: -10° to 85°C

Humidity
Operation: 10% to 90%
Strorage: 5% to 95% (non dondensing)

➤ Ordering Information

Article	Part.-No.	Description
ETXexpress Eval w/ 10/100Base-T	38100-0000-00-0	Evaluation carrier board for ETXexpress modules with 10/100Base-T Ethernet
ETXexpress Eval w/ 1000Base-T	38100-0000-00-1	Evaluation carrier board for ETXexpress modules with 10/100/1000Base-Tx (Gigabit) Ethernet

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