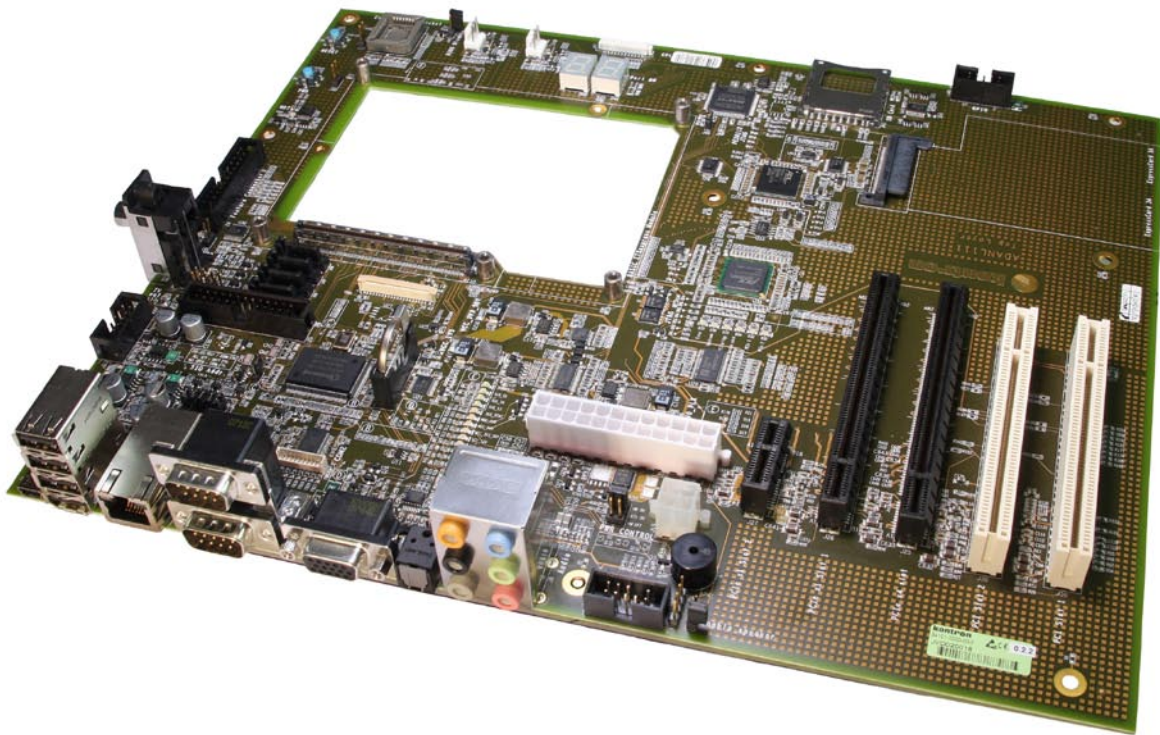


# ▶ nanoETXexpress Evaluation Board



- ▶ Evaluation Carrier Board
- ▶ For express evaluation purposes
- ▶ Includes all connectors for a quickstart
- ▶ Choose your nanoETXexpress module - Plug & Go

## Product Overview

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

The nanoETXexpress Eval is usable for nano, micro and basic COM Express™ offering new interfaces for PCI Express, and SATA in addition to USB 2.0, VGA, Gigabit Ethernet and more.

Kontron's nanoETXexpress family of Computer-On-Modules (COMs) are fully compatible with the PCI

Industrial Computer Manufacturer's Group (PICMG®) COM Express™ Type1 Specification with respect to connector location and pin definition. With a complete array of connectors brought out on this carrier board, it serves as a reference design for other more customized variations. The COM Express™ 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 COM Express™ CPU module. Therefore, the total cost of ownership of the end design is improved as well.



## Technical Information

Graphic	CRT on DSUB15 (not supported by nanoETXexpress-SP) LVDS Panel connector TV out / S-Video
I/O Features	4 SATA standard connector 1 Xpress Card slot 1 PCIexpress x16 Slot, electrically x4 (not supported by -SP) 1 PCIexpress x16 Slot, electrically x1 1 PCIexpress x1 Slot PCIe to PCI bridge PEX8112AA - 2 PCI 32 Bit slots Feature connector (SM bus, MARS System) SD card slot shared with GPIO pins Onboard RTC Battery Power / Reset Button BIOS socket for external BIOS Port 80 POST code 1LPT and Fan control 2 serial Ports on DSUB9, optional 1 on 10pin header

Ethernet	10/100/1000 MBit LAN magnetic RJ45 connector on front panel
USB	4x USB 2.0 front connectors (USB 0, 1, 2, 3) 2 USB internal on pin header (USB 4, 5), suitable for Intel® SSD 1 USB client port (USB port 7)
Power Supply	ATX power supply 24 + 4 pin
Form Factor Specification	ATX Baseboard size; 12" x 8,3" Pin-Out COM Express™ Type 1 compatible nanoETXexpress specification compatible
Sound	Intel® High Definition Audio / AC 97 codec Onboard HD Audio Codec Realtek ALC888 Analog 7.1 Audio, optical Toslink out and digital S/PDIF in & out

## Ordering Information

Article	Part.-No.	Description
nanoETXexpress Evaluation Board	34101-0000-00-0	nanoETXexpress Evaluation board without nanoETXexpress module

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