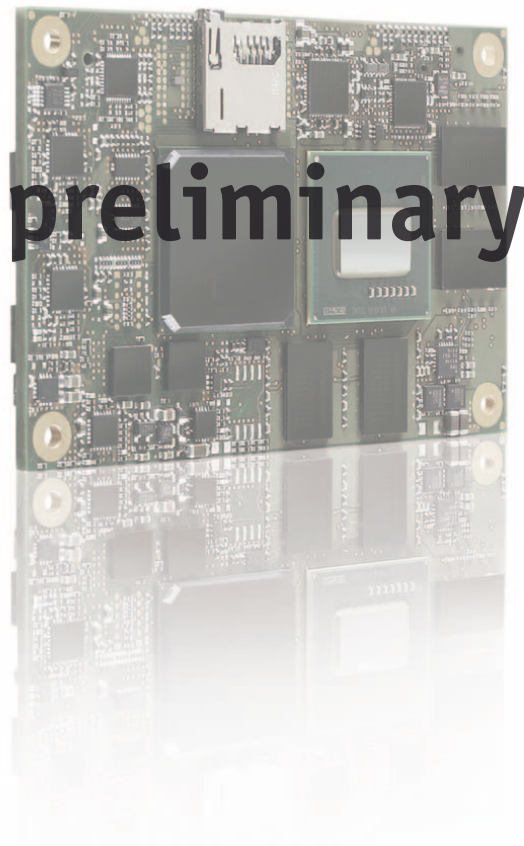


» nanoETXexpress-TT «



COM Express™ compatible ultra Computer-on-Module designed for industrial temperature use

- » COM Express™ pin-out Type 10 compatible
- » Designed for Industrial temperature range -40°C to +85°C (E2)
- » Variants for commercial temperature grade 0°C to 60°C
- » Intel® Atom™ processor E6xx @ 600 MHz up to 1.6 GHz

Technical Information

Processor	Intel® Atom™ E6xx/E6xxT (0.6 GHz + 1.0 GHz + 1.3 GHz + 1.6 GHz)
Cache	32 KB Instruction Cache + 24 KB L1 Cache, 512 KB L2 Cache
Chipset	Intel® Platform Controller Hub EG20/EG20T
Memory	onboard up to 2 GB DDR2-800
Hard Disk	Option 1: 2 x Serial ATA external supporting 3 GB/s plus 1 x micro SD card Slot on SDIO Option 2: 1 x Serial ATA external supporting 3 GB/s + 1 x Serial ATA SSD Flash (planned when SATA flash is available in E2)
Flash Disk	onBoard E2 SSD Flash drive up to 8 GByte, planned option when Sata flash memory is available in E2
USB	6 x USB 2.0 (boot) + 1x USB Client
PCI Express	4x PCI Express x1 Lanes, one for onboard PCH EG20
Serial	2 x serial interface TTL
Ethernet	onBoard10/100/1000 Mbit LAN, MAC Chipset integrated
Ethernet Controller	Broadcom BCM54610, Phy
Interface	4Bit SDIO 2.0 interface shared with GPIO on COM Express™ Connector
SPI	External Boot via SPI flash device
SM Bus Support	yes
Audio Controller	Intel® High Definition Audio
Graphics Controller	Integrated 2D/3D Graphics Engine, Gfx Core 333/400 Mhz, shared VRAM Video Encode : MPEG4, H.263, H.264; Video Decode : MPEG2, MPEG4, VC1, WMV9, H.264
Graphics Memory	up to 352MB
Resolution	LVDS 18/24bit 1280x768@60Hz; SDVO 1920x1080@50Hz
Operating System	Windows® XP SP3, XPe, WES 7, CE, Linux, VxWorks, QNX
Dimensions (H x W x D)	55mm x 84mm
Power Consumption	tbd
Power Supply	4.75V – 14V Wide Range Power Supply (optional 5V stand-by for ATX function); ACPI 3.0
Temperature/Humidity	Operation: nanoETXexpress-TTc 0°C to +60°C, Storage: -30° to 85°C / Operation: 10% to 90%, Storage: 5% to 95% (non condensing) Operation: nanoETXexpress-TTi -40°C to +85°C, Storage: -40° to 85°C / Operation: 10% to 90%, Storage: 5% to 95% (non condensing)
Compliance	COM Express™ (COM.0 R2.0) pin-out Type 10

Ordering Information

Article	Part-No.	Description
nanoETXexpress-TTi 0.6 GHz 512/mSD	34003-5100-06-1	nanoETXexpress-TTi w/ Atom™ E620T (0.6 GHz), 512MB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot, ind. Temp grade -40°C to +85°C
nanoETXexpress-TTi 1.0 GHz 512/mSD	34003-5100-10-1	nanoETXexpress-TTi w/ Atom™ E640T (1.0 GHz), 512MB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot, ind. Temp grade -40°C to +85°C
nanoETXexpress-TTi 1.3 GHz 512/mSD	34003-5100-13-1	nanoETXexpress-TTi w/ Atom™ E660T (1.3 GHz), 512MB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot, ind. Temp grade -40°C to +85°C
nanoETXexpress-TTi 1.6 GHz 1GB/mSD	34003-1000-16-1	nanoETXexpress-TTi w/ Atom™ E680T (1.6 GHz), 1GB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot, ind. Temp grade -40°C to +85°C
nanoETXexpress-TTc 0.6 GHz 512/mSD	34004-5100-06-1	nanoETXexpress-TTc w/ Atom™ E620 (0.6 GHz), 512MB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot
nanoETXexpress-TTc 1.0 GHz 512/mSD	34004-5100-10-1	nanoETXexpress-TTc w/ Atom™ E640 (1.0 GHz), 512MB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot
nanoETXexpress-TTc 1.3 GHz 512/mSD	34004-5100-13-1	nanoETXexpress-TTc w/ Atom™ E660 (1.3 GHz), 512MB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot
nanoETXexpress-TTc 1.6 GHz 1GB/mSD	34004-1000-16-1	nanoETXexpress-TTc w/ Atom™ E680 (1.6 GHz), 1GB DDR2 onboard, PCIe, SATA, Ethernet, micro SD slot

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