Highest Performance for COM Express®

» Intel® Core™2 Duo with Intel® GS45 and ICH9M SFF

» Hardened module re-engineered for proven, reliable use in extreme temperatures.

» DDR3 SO-DIMM up to 8 GB, dual channel

» 3x SerialATA with RAID, DirectX® 10

» For US Customers: Kontron is registered with the Office of Defense Trade Controls Compliance.
Technical Information

**Processor**
Intel® Core™2 Duo up to 1.86 GHz, 45 nm
Intel® Celeron® M Processor 722 with to 1.2 GHz, 45 nm

**Chipset**
Intel® GS45 with Intel® ICH9M SFF

**Memory**
Up to 8 GB DDR3 SODIMM (800/1066 Mhz) dual channel

**Hard Disk**
3x SerialATA 300 (AHCI; RAID 0,1), 1x PATA (Master)

**USB**
8x USB 2.0

**PCI**
PCI 2.3, 32 bit/33MHz

**PCI Express**
5 PCI Express x1 (1 PCI Express x4 possible), 1 PEG x16

**Ethernet**
1G/100/1000 Mbit Ethernet, Intel® 82567

**Sound**
Intel® High Definition Audio

**Video Controller**
Intel® GMA X4500 integrated in Intel® GS45 (DirectX® 10, PS 4.0, up to 1024 MB with DVI/1.0),
1 PEG x16 Dual SDVO shared with PEG, HDMI and DisplayPort

**LVDS and CRT Resolutions**
LVDS up to UXGA (1600x1200), CRT up to VGX (2048x1536)

**LVDS Panel Support**
Single and Dual Channel LVDS 18/24 bit

**Operating Systems**
Windows Vista®, Windows® XP, Windows® XP Embedded, Windows® CE, VxWorks, Linux and others

**Security Features**
TPM 1.2 integrated in ICH9M SFF

**Other Features**
ACPI 3.0, LPC, JIDA support, Watchdog, RTC, JRC support

**Form Factor**
125 x 95 mm
COM Express® Type 2

**Power Consumption**
typ. Idle 8.13W @ Intel® Core™2 Duo SL9400
8.5V – 18V Wide Range Power Supply

**Temperature**
Operation: -40°C to +85°C
Storage: -40° to 85°C

**Humidity**
Operation: 10% to 90%
Storage: 5% to 95% (non condensing)

**Test Reports**
The following test reports are available upon request: Temperature Cycle Testing, HASS, and Shock/Vibration Testing.

### Ordering Information

<table>
<thead>
<tr>
<th>Article</th>
<th>Part-No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETXexpress®-PC 722 XT</td>
<td>38011-0000-12-1</td>
<td>Intel® Celeron® M Processor 722 Ultra Low Voltage, 1.2GHz, 3MB L2 Cache, XT</td>
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<tr>
<td>ETXexpress®-PC SU9300 XT</td>
<td>38011-0000-12-2</td>
<td>Intel® Core™2 Duo SU9300 Ultra Low Voltage, 1.2GHz, 3MB L2 Cache, XT</td>
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<tr>
<td>ETXexpress®-PC SL9400 XT</td>
<td>38011-0000-19-2</td>
<td>Intel® Core™2 Duo SL9400 Low Voltage, 1.66GHz, 6MB L2 Cache, XT</td>
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<tr>
<td>HSP ETXe-PC thread</td>
<td>38008-0000-99-0</td>
<td>ETXe-PC heatspreader plate w/ threaded holes</td>
</tr>
<tr>
<td>HSP ETXe-PC through</td>
<td>38008-0000-99-1</td>
<td>ETXe-PC heatspreader plate w/ through holes</td>
</tr>
<tr>
<td>HSK ETXe-PC active</td>
<td>38008-0000-99-0C01</td>
<td>ETXe-PC active heatsink</td>
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<tr>
<td>HSP ETXe-PC passive thread</td>
<td>38008-0000-99-0C02</td>
<td>ETXe-PC passive heatsink w/ threaded holes</td>
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<tr>
<td>HSP ETXe-PC through passive</td>
<td>38008-0000-99-1C02</td>
<td>ETXe-PC passive heatsink w/ through holes</td>
</tr>
<tr>
<td>1GB DDR3 E2 Extended Temperature memory module</td>
<td>97015-1024-00-1</td>
<td>DDR3 SDRAM-SDIMM 1024 MB E2</td>
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<tr>
<td>2GB DDR3 E2 Extended Temperature memory module</td>
<td>97015-2048-00-1</td>
<td>DDR3 SDRAM-SDIMM 2048 MB E2</td>
</tr>
<tr>
<td>4GB DDR3 E2 Extended Temperature memory module</td>
<td>97015-4096-00-1</td>
<td>DDR3 SDRAM-SDIMM 4096 MB E2</td>
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