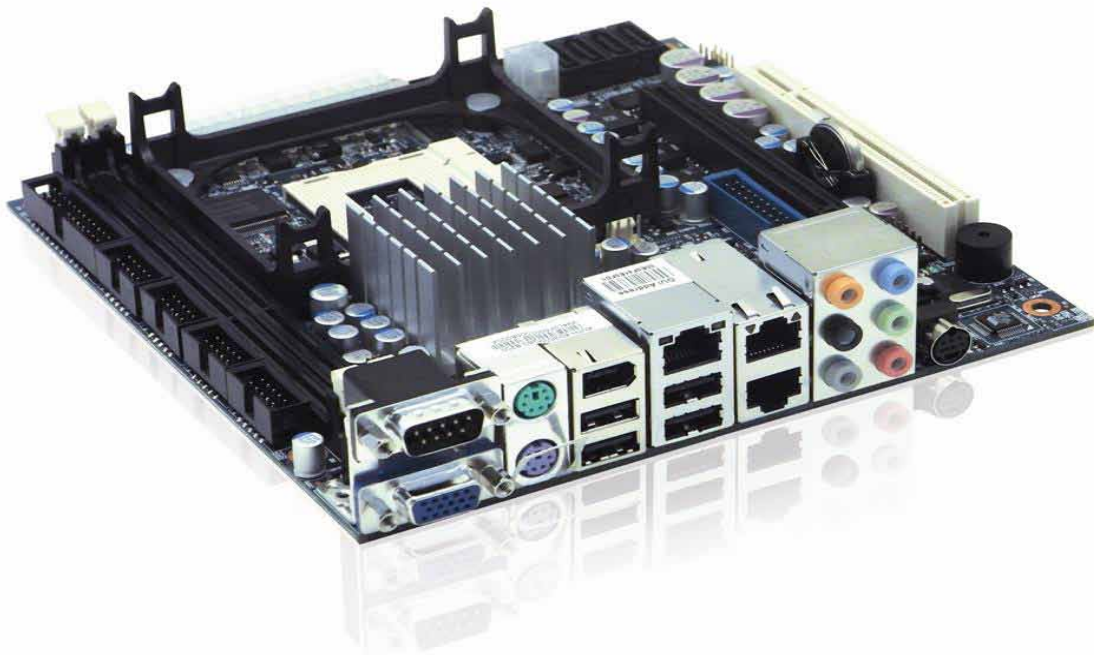


» KTGM45 Family «



Intel® GM45 + ICH9M-E Embedded Chipset, Intel® Core™ 2 Duo mobile support

- » Long term available embedded Mini-ITX, Flex & ATX motherboard
- » Intel® GMA 4500 MHD graphics with PCI-Express 16x
- » Flat panel support via ADD2-cards (DVI, LVDS & HDMI)
- » 3x Intel® Gigabit Ethernet, one with Intel® AMT 4.0 support
- » Up to 8 GB DDR3, 2 pcs. DIMM 240 pin
- » 4x SATA150/SATA300 w. RAID 0/1, HD Audio, 12x USB 2.0

Technical Information

| | |
|-----------------------------|---|
| Processor | Intel® Core™ 2 Quad mobile & Intel® Core™ 2 Duo mobile support incl. T9400 |
| Chipset | Intel® GM45 + ICH9M-E Embedded Chipset |
| Front Side Bus | 667/800/1067 MHz |
| Bus | 5x PCI (KTGM45/ATXE), 2x PCI (KTGM45/Flex), 1x PCI (KTGM45/mITX) 1x PCI-Express 16x/SDVO for external graphics card or ADD2 cards 1x PCI-Express 4x in 16x slot (KTGM45/ATXE & KTGM45/Flex) |
| DRAM | 2x DIMM-240 for up to 8 GB DDR3 |
| Graphics | Intel® GMA 4500 MHD graphics On board CRT, on board Dual Channel LVDS, PCI-Express x 16/SDVO, SVideo(TV) (optional) |
| Resolution | Up to: CRT 2048x1536, LVDS 1920x1080 |
| Graphic Interfaces | CRT output and SDVO digital output for DVI, LVDS & HDMI |
| HDD | 4x SATA150/SATA300 w. RAID 0/1 support 1x ATA100 (2.54 mm connector) |
| Compact Flash | Compact Flash Type I + II (only Mini-ITX version) |
| IEEE1394 | 2x IEEE1394 (1x Internal and 1x External) (only Mini-ITX version) |
| Parallel/Serial Port | Parallel Port via internal connector, 4x RS232C serial ports with FIFO |
| USB | 12x port USB 2.0 (8x internal and 4x external) |
| Ethernet | 3 x Intel® Gigabit Ethernet, one with Intel® AMT 4.0 support |
| Keyboard/Mouse | Standard PS/2 mouse and keyboard (internal connection available) |
| Sound | 7.1 channel HD audio |
| Monitoring API/DMI | Software interface to monitor hardware values including HDD S.M.A.R.T. |
| Battery | On board Lithium battery and external battery input |
| Operating Temp. | 0 - 60°C (*) |
| EMC/ESD compliance | Compliance with EN55022 and EN61000-4-2(ESD) |
| Dimensions | ATX, 30,48 cm x 19,05 cm (12,0" x 7,5") Flex, 19,05 cm x 22,86 cm (7,5" x 9") Mini-ITX, 17 cm x 17 cm (6.7" x 6.7") |
| Introduction date | KTGM45/mITX August-2009 KTGM45/FLEX September-2009 KTGM45/ATXE October-2009 |

(*) see manual for details

Ordering Information

| Article | Part.-No. | Description |
|--------------------|-------------|---|
| KTGM45/mITX | 810350-4500 | KTGM45/mITX, 3 GB Intel® Lan w. AMT 4.0 support, 1x PCI, CF & Firewire |
| KTGM45/Flex | 810360-4500 | KTGM45/Flex, 3 GB Intel® Lan w. AMT 4.0 support, 4x PCI & 1x PCI-Express 4x |
| KTGM45/ATXE | 810370-4500 | KTGM45/ATXE, 3 GB Intel® Lan w. AMT 4.0 support, 5x PCI & 1x PCI-Express 4x |

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#KTGM45 Family# 07232009PDL
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