Intel® GM45 + ICH9M-E Embedded Chipset, Intel® Core™2 Duo mobile support
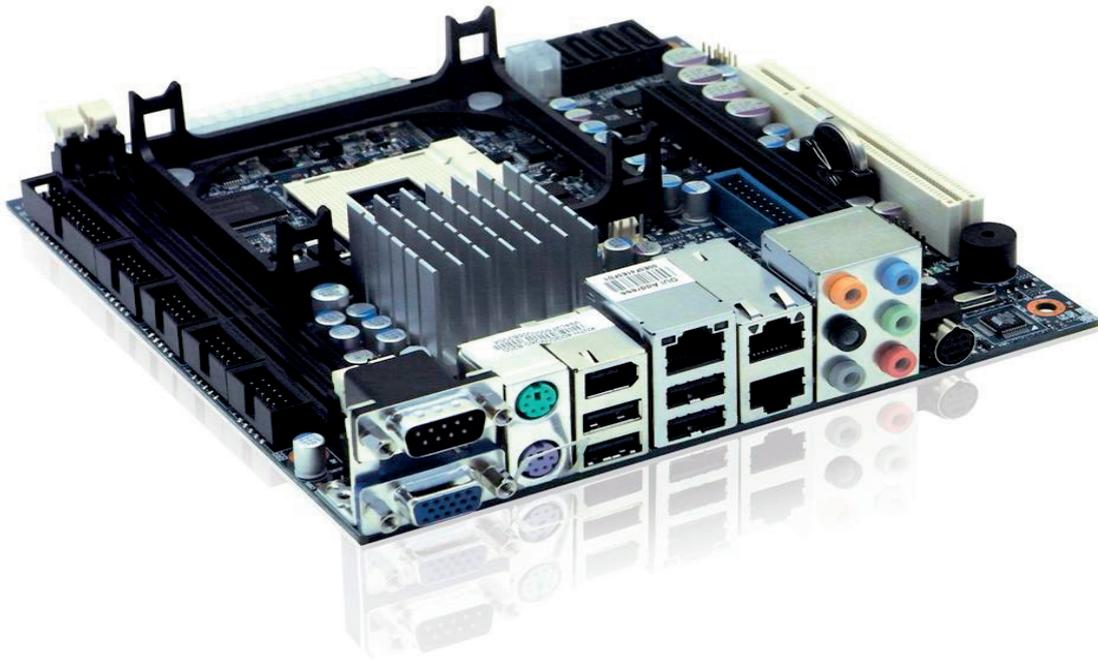
- » Long term available embedded Mini-ITX, Flex & ATX motherboard
- » Intel® GMA 4500 MHD graphics with PCI-Express 16x
- » Flat panel support via ADD2-cards (DVI, LVDS & HDMI)
- » 3x Intel® Gigabit Ethernet, one with Intel® AMT 4.0 support
- » Up to 8 GB DDR3, 2 pcs. DIMM 240 pin
- » 4x SATA150/SATA300 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)
Serial Port	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 Temperature	0°C to 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

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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