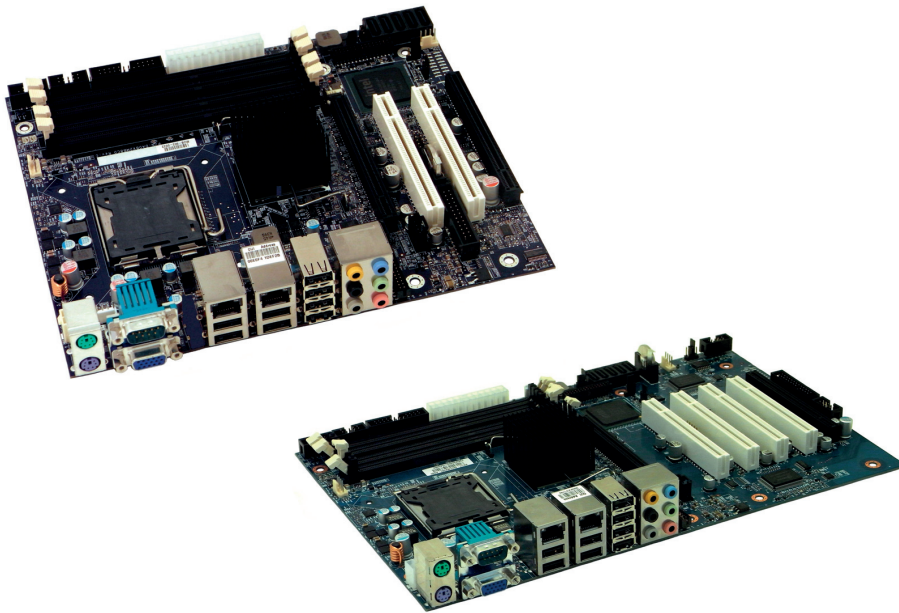


## » KTQ45 Family «



### Intel® Q45 + ICH10D0 Embedded Chipset, Intel® Core™2 Quad desktop processor support

- » Long term available embedded Flex & ATX motherboard
- » Intel® GMA 4500 graphics, PCI-Express 16x 2.0
- » Flat panel support via ADD2-cards (DVI, LVDS & HDMI), Display Port optional
- » 2x Intel® Gigabit Ethernet, one with Intel® AMT 5.0 support
- » Up to 8 GB DDR3, 4 pcs. DIMM 240 pin
- » 5x SATA150/SATA300 w. RAID 0/1/5/10, HD Audio, 12x USB 2.0

## Technical Information

<b>Processor</b>	Intel® Core™2 Duo & Intel® Core™2 Quad incl. E8400 & Q9650 desktop CPU
<b>Chipset</b>	Intel® Q45 + ICH10DO Embedded Chipset
<b>Front Side Bus</b>	800/1066/1333 MHz
<b>BIOS</b>	AMI® in 8MB flash
<b>Power Management</b>	ACPI 3.0, ACPI 2.0 and APM 1.2
<b>Bus</b>	4x PCI (KTQ45/ATXE), 2x PCI (KTQ45/FLEX) 1x PCI Express® 16x 2.0 / SDVO for external graphics card or ADD2 cards 1x PCI Express® 4x in 16x slot
<b>DRAM</b>	4x DIMM-240 for up to 8 GB DDR3
<b>Graphics</b>	Intel® GMA 4500 graphics
<b>Resolution</b>	Up to: CRT 2048x1536
<b>Graphic Interfaces</b>	CRT output and SDVO digital output for DVI, LVDS & HDMI
<b>HDD</b>	5x SATA150/SATA300 w. RAID 0/1/5/10 support
<b>Parallel Port</b>	Parallel Port with SPP, ECP or EPP mode, via internal connector
<b>Serial Port</b>	2x RS232C serial ports with FIFO (FLEX) / 3x RS232C and one RS485 (ATXE)
<b>Compact Flash</b>	Compact Flash Type I + II (only Mini-ITX version)
<b>IEEE1394</b>	2x IEEE1394 (1x Internal and 1x External) (only Mini-ITX version)
<b>Serial Port</b>	4x RS232C serial ports with FIFO
<b>USB</b>	12x port USB 2.0 (4x internal and 8x external)
<b>Ethernet</b>	2x Intel® Gigabit Ethernet, one with Intel® AMT 5.0 support
<b>Keyboard/Mouse</b>	Standard PS/2 mouse and keyboard (internal connection available)
<b>Sound</b>	7.1 channel HD audio
<b>Hardware Monitoring</b>	Temperature, fan and voltages
<b>Monitoring API/DMI</b>	Software interface to monitor hardware values including HDD S.M.A.R.T.
<b>Battery</b>	On board Lithium battery and external battery input
<b>Power Supply</b>	ATX
<b>Operating Temperature</b>	0°C to 55°C
<b>EMC/ESD compliance</b>	Compliance with EN55022 / FCC Class-B and EN61000-4-2(ESD)
<b>Safety compliance</b>	UL609501-1: 2003, First edition; CSA C22.2 No.60950-1-03 First edition, April 1. 2003
<b>Environmental compliance</b>	RoHS and Lead-free production
<b>Dimensions</b>	ATX, 19,05 cm x 30,48 cm (7,5" x 12,0") FLEX, 19,05 cm x 22,86 cm (7,5" x 9")
<b>Introduction date</b>	KTQ45/FLEX June-2009 KTQ45/ATXE September-2009

## Ordering Information

Article	Part No.	Description
KTQ45/FLEX	810330-4500	KTQ45/FLEX, 2x Intel® Gigabit Ethernet, one with Intel® AMT 5.0 support and 2x PCI
KTQ45/ATXE	810340-4500	KTQ45/ATXE, 2x Intel® Gigabit Ethernet, one with Intel® AMT 5.0 support and 4x PCI

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