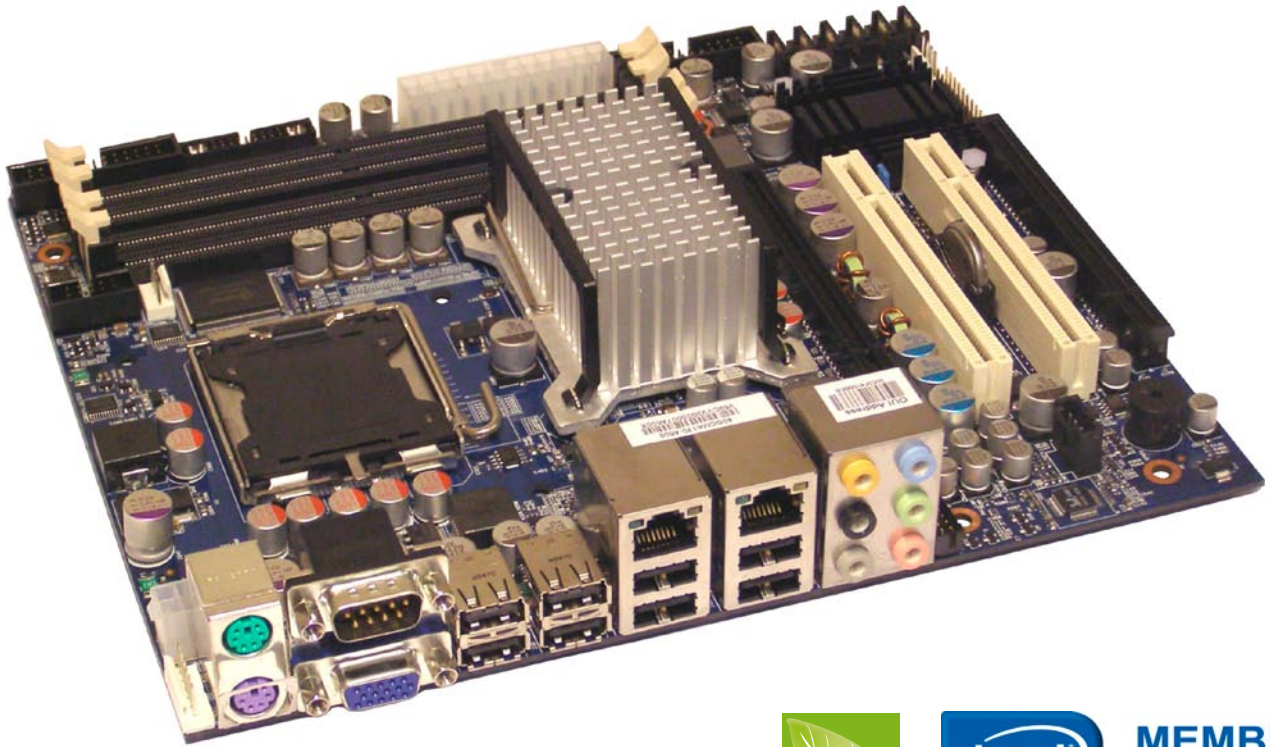


➤ **KT965/FLEX**

Intel® Core™ 2 Duo desktop based embedded
FLEX-ATX with 2x GB LAN



**MEMBER
OF THE
YEAR
2006**

- Intel® Core™ 2 Duo desktop processor, Intel® Pentium® 4 processor, or Intel® Pentium® D processor
- Long term available embedded FLEX-ATX motherboard
- Intel® Q965 & ICH8D0 embedded chipset
- Intel® Extreme Graphics Generation 4.0
- Flat panel support via ADD2-cards (DVI, LVDS & HDMI)
- 2x 10/100/1000 Mbps Ethernet
- 1x PCI-Express 16x, 1x PCI-Express 4x and 2 PCI slots
- Up to 8 GB DDR2
- 6x SATA150/SATA300, HD Audio, 10x USB 2.0

► Technical Data

Processor	Pentium® 4 600 sequence, Pentium® D 900 and 800 sequence, Core™ 2 Duo Desktop Socket LGA775 FSB 533/800/1066
Chipset	Intel® Q965 & Intel® ICH8DO
BIOS	AMI® in 8MB flash
Power Management	ACPI 2.0
Bus	2 PCI 1x PCI-Express 16x / SDVO for external graphics card or ADD2 cards 1x PCI-Express 4x in 16x slot
DRAM	4x DIMM-240 for up to 8 GB DDR2/800
Graphics	400 MHz / 1.6 GP/s pixel rate 2D/3D graphics engine
Resolution	Up to 2048 x 1536
Graphic Interfaces	CRT output and SDVO digital output
HDD	6x SATA150/SATA300 w. RAID 0/1/5/10 support
Parallel port	Bi-directional Centronics w. SPP, ECP or EPP mode, via internal connector
Serial port	2x RS232C serial ports with FIFO
USB	10x USB 2.0 (8 external, 2 internal)

Ethernet	2x 10/100/1000 Mbps Ethernet Controller, Realtek RTL8111B
Keyboard/Mouse	Keyboard / mouse + internal connector
Sound	7.1 channel HD audio
GPIO	8 GPIO, 3.3V
Hardware Monitoring	Temperature, fan and voltages
Monitoring API/DMI	Software interface to monitor and set hardware values including HDD S.M.A.R.T
Battery	On board Lithium battery and external battery input
Operating Temp.	0° - 50°C
EMC/ESD compliance	Compliance with EN55022 and EN61000-4-2 (ESD)
Safety compliance	UL609501-1:2003, First edition CSA C22.2 No. 60950-1-03, First edition, April 1. 2003
Environmental compliance	RoHS and Lead-free production
Dimensions	FLEX-ATX, 7.5" x 9" (190,50 x 228.60mm)
Power Supply	ATX & BTX

► Ordering Information

Article	Part.-No.	Description
KT965/FLEX	810250-4500	Core 2 Duo desktop Embedded FLEX-ATX w. 2x GB LAN, PCI-Express 16x, PCI-Express 4x, 2x PCI

► ADD2-Cards for 2nd display



ADD2-DVI-Dual
Part #820952



ADD2-LVDS-Dual
Part #820950

► Corporate Offices

Europe, Middle East & Africa

Kontron AG
Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany
Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 219
sales@kontron.com

North America

Kontron America Corporate Office
14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
sales@us.kontron.com

Asia Pacific

Kontron Asia Inc.
4F, No. 415, Ti-Ding Blvd.
Sec.2, NeiHu District
Taipei Taiwan 114
Tel.: +886-2-2799-2789
Fax: +886-2-2799-7399
sales@kontron.com.tw

Kontron Technology A/S

Dr. Neergaards Vej 5D
2970 Hørsholm
Denmark
Tel.: +45 4576 1016
Fax: +45 4576 1017
motherboard@kontron.com