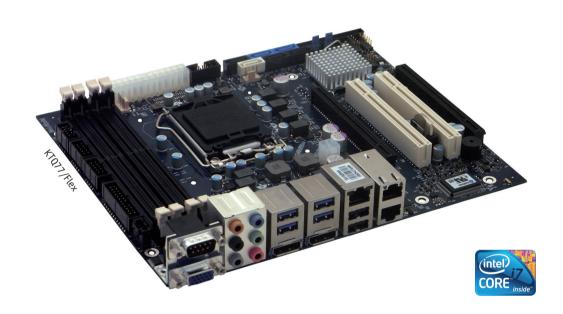


» KTQ77/FLEX Motherboard «



FLEX ATX Motherbord with 3rd Generation Intel® i7-,i5,-i3 2Core and 4Core CPUs & Intel® Q77 Chipset

- » Long term available embedded FLEX-ATX motherboard
- » High CPU and graphics performance for 3 independent displays
- » 2x Display Port for flexible, high resolution display drive
- » Up to 32 GB DDR3 RAM
- » 4x USB 3.0 & 10x USB 2.0, 6x SATA (incl. 2x SATA III),
 3x GbE-LAN with AMT 8.0
- » mSATA interface highspeed state of the art SSD storage, 2x PCI 32 bits/33MHz (on Flex)
- » Intel® AMT 8.0 support
- » PCIe 3.0 support

#KTQ77# 06192012WMH All data is for information purposes only and not guaranteed for legal purposes. Subject to change withour notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners.

KTQ77 Flex - Motherboard

3rd Generation Intel® i7-,i5,-i3 2Core and 4Core CPUs & Intel® Q77 Chipset

Typical Applications

- » Digital Signage: High graphics performance & multi display support
- » Gaming/POS/POI: High graphics and high CPU performance
- » Medical: High Graphics performance & longevity
- » Industrial Automation: wide range of I/Os & longevity
- » Future-oriented Devices due to Display Port and mSATA/ compact SSD support



Rear I/Os

CPU Clock Front Side Bus Chipset DRAM Graphics Controller	Intel® Core i7/i5/i3 2C Up to 3.8 GHz DMI 2.0 support; Four lanes in each direction; Up to 20 Gb/s each direction, full duplex. DMI interface to PCH is supported Intel® Q77 Up to 8 GB DDR3, 4x (max. 32GB), 1067/1333/1600 MHz support
Front Side Bus Chipset DRAM	DMI 2.0 support; Four lanes in each direction; Up to 20 Gb/s each direction, full duplex. DMI interface to PCH is supported Intel® Q77
Chipset DRAM	Intel® Q77
DRAM	
	Up to 8 GB DDR3, 4x (max. 32GB), 1067/1333/1600 MHz support
Graphics Controller	, , , , , , , , , , , , , , , , , , , ,
	integrated into CPU
SATA	6x SATA interfaces (4x SATA150/300 and 2x SATA600) w. RAID 0/1/5/10
USB	4x USB 3.0 & 10 USB 2.0
Ethernet	3x GbE-LAN, one LAN controller supporting Intel® AMT 8.0
Form Factor	Flex: 22,86 cm x 19,05 cm (9" x 7,5")
Available I/Os	PCIe 3.0, 2x PCI 32bits/33MHz (on FLEX), 1x Mini-PCIe, 1x mSATA, 4x COM, Internal PS2 Mouse/Keyboard connector
Graphic Interface	1x PCIe x4, 1x PCIe x16, 2x Display port, 1x CRT
Rear I/O	DB9 serial port, DB15 VGA , Audio stacked 2x3 mini Jack tower, 6x USB, 2x Display port, 3x RJ45 LAN
Temperature	Operating 0°C - 60°C (32°F - 140°F)
Special Feature	Multi purpose HDD RAID 0,1,5,10 Support, GPIO, LPT, HD Audio, Mini-PCIe; AMT 8.0, mSATA interface for SSD storage, TPM 1.3 support, KT embedded feature connector with ADC, DAC up to 160 GPIO, up to 3 independent displays supported

CORPORATE OFFICES

Europe, Middle East & Africa

Oskar-von-Miller-Str. 1 85386 Eching/Munich Germany

Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 219
info@kontron.com

North America

14118 Stowe Drive Poway, CA 92064-7147 USA

Tel.: +1 888 294 4558 Fax: +1 858 677 0898 info@us.kontron.com

Asia Pacific

17 Building, Block #1, ABP. 188 Southern West 4th Ring Road Beijing 100070, P.R.China

Tel.: + 86 10 63751188 Fax: + 86 10 83682438 info@kontron.cn

