» KTQ77/FLEX Motherboard «
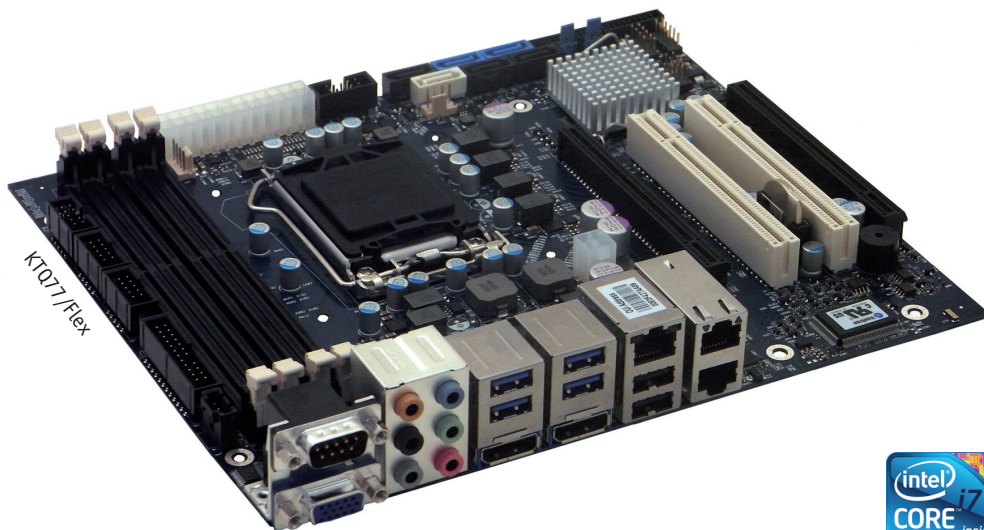

KTQ77/Flex

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 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

Technical Information

Features	KTQ77 FLEX Motherboards
CPU	Intel® Core i7/i5/i3 2C
CPU Clock	Up to 3.8 GHz
Front Side Bus	DMI 2.0 support; Four lanes in each direction; Up to 20 Gb/s each direction, full duplex. DMI interface to PCH is supported
Chipset	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 1.2 support, KT embedded feature connector with ADC, DAC up to 160 GPIO, up to 3 independent displays supported
Additional	Up to 7 years availability

CORPORATE OFFICES

intel Intelligent Systems Alliance Premier

www.kontron.com