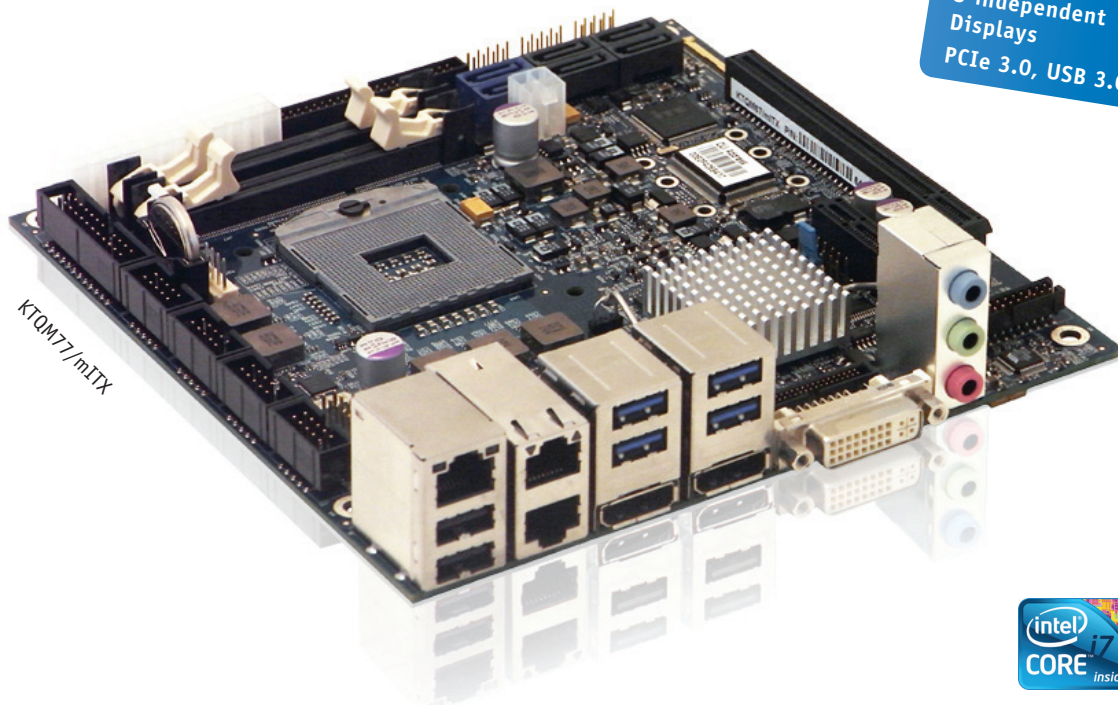


» KTQM77/mITX «



3rd Generation Intel® i7-,i5,-i3 Dual and Quad Core CPUs & Intel® QM77 Chipset

- » Long term available Embedded Motherboard
- » High graphics performance incl. 2x Display Port, LVDS & DVI incl. 3x independent Display support
- » 6x SATA (incl. 2x SATA III), 10x USB 2.0 plus 4x USB 3.0, 3x Intel® GB LAN
- » mSATA interface highspeed compact SSD storage
- » One PCIe x 16, Gen. 3.0 plus one PCIe x 1, Gen. 2.0
- » Unique multipurpose KT Feature Connector

KTQM77/mITX

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

General Technical Information

CPU	3rd Generation, Intel® i7-,i5-,i3 2 Core and 4 Core CPUs; Intel® Celeron® Processor B810
CPU Clock	Up to 2.7GHz (3.5GHz in Turbo) depending on actual CPU
DMI	DMI 2.0 support; Four lanes in each direction; 5 GT/s point-to-point DMI interface to PCH is supported
Chipset	Intel® QM77
DRAM	Up to 8 GB DDR3 x2 (max. 16 GB) on Mini-ITX
SATA	6x SATA (incl. 2x SATAIII) w. RAID -Support
USB	10x USB 2.0 plus 4x USB 3.0
Ethernet	Up to 3x Intel® GB LAN (incl 1x AMT 8.0 support)
Available I/Os	One PCIe x16, Gen. 3.0 plus one PCIe x1, Gen. 2.0, 4x COM, 2x mini PCI-Express, 2x IEEE1394a (Pin row), Internal PS2 Mouse/Keyboard connector
Graphics Controller	Integrated, Intel® HD4000 with support for 3 independent Displays
Graphic Interface	2x Display port, 1 DVI-I, LVDS / Embedded DP, HDMI via Adapter / Gen 3.0 PCIe x16 slot
Audio	HD 7.1, Mic x2, CDRUM in and SPDIF
Rear I/O	2x (Dual USB +Displayport), Dual USB + Ethernet, Dual Ethernet, DVI, Audio 3x
Temperature	Operating 0°C - 60°C (32°F - 140°F)
Special Feature	GPIO, HDD RAID 0,1,5,10 support, AMT 8.0, TPM 1.2, mSATA for SSD Storage, ATX and single 12V power supply (only on Mini-ITX), KT embedded feature port with ADC, DAC up to 160 GPIO
Additional	Up to 7 years availability

The KTQM family consists of members having different form factors, and the same functionality except for the functions listed in the table below.

Available Form Factors

KTQM77 variants	Format	PCI	SODIMM Sockets	Single +12V Power Supply
KTQM77/mITX	mITX	-	2	Yes

If your application does require the high end performance, but not all the features of this powerful Mini-ITX board; it's available with HM76 Chipset and reduced feature-set as well – with a more favorable pricing:

- » 1x LAN, 12x USB, No Firewire, No AMT

Productname: KTHM76/mITX

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