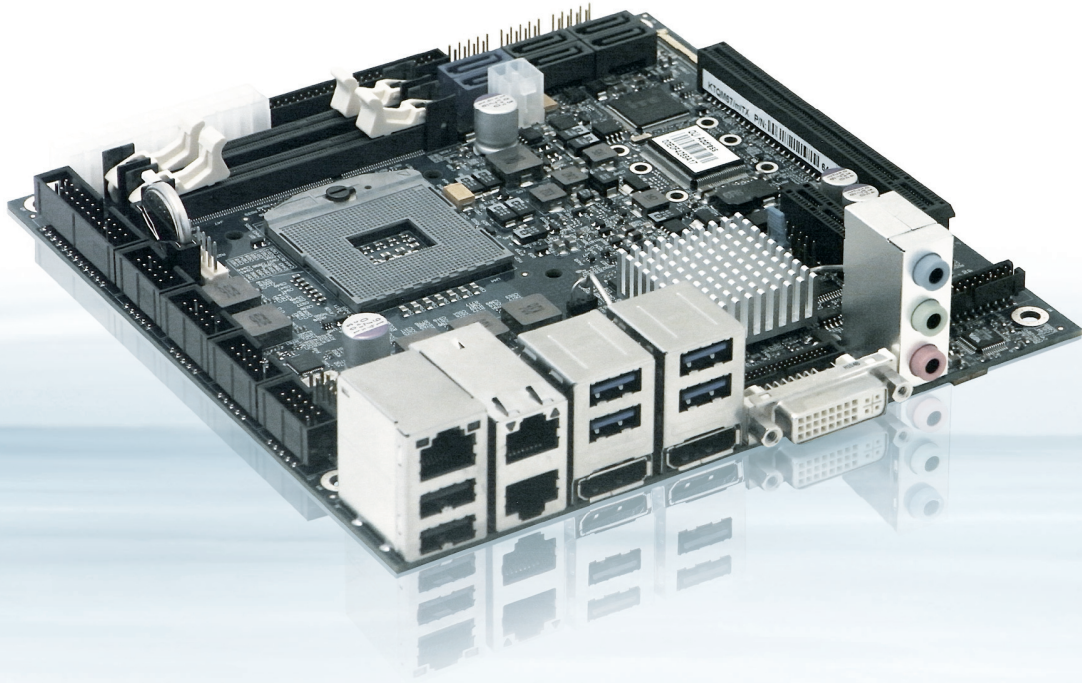


# KTQM77/mITX

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## 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® GByte LAN
- ▶ mSATA interface highspeed compact SSD storage

# 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

### ▶ TECHNICAL INFORMATION

CPU	3rd Generation, Intel® i7-, i5-, i3 2 Core and 4 Core CPUs; Intel® Celeron® Processor B810
CPU CLOCK	Up to 2.7 GHz (3.5 GHz 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 GByte DDR3 x2 (max. 16 GByte) 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® GByte 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, CDROM in and SPDIF
REAR I/O	2x (Dual USB +Displayport), Dual USB + Ethernet, Dual Ethernet, DVI, Audio 3x
TEMPERATURE	Operating 0 °C to 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 12 V 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 +12 V POWER SUPPLY
MITX-BDW-U I7 GT3	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

### ▶ CORPORATE OFFICES

#### EUROPE, MIDDLE EAST & AFRICA

Lise-Meitner-Str. 3-5  
86156 Augsburg  
Germany  
Tel.: + 49 821 4086 0  
Fax: + 49 821 4086 111  
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

1-2F, 10 Building, No. 8 Liangshuihe 2nd Street,  
Economic & Technological Development Zone,  
Beijing, 100176, P.R.China  
Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn