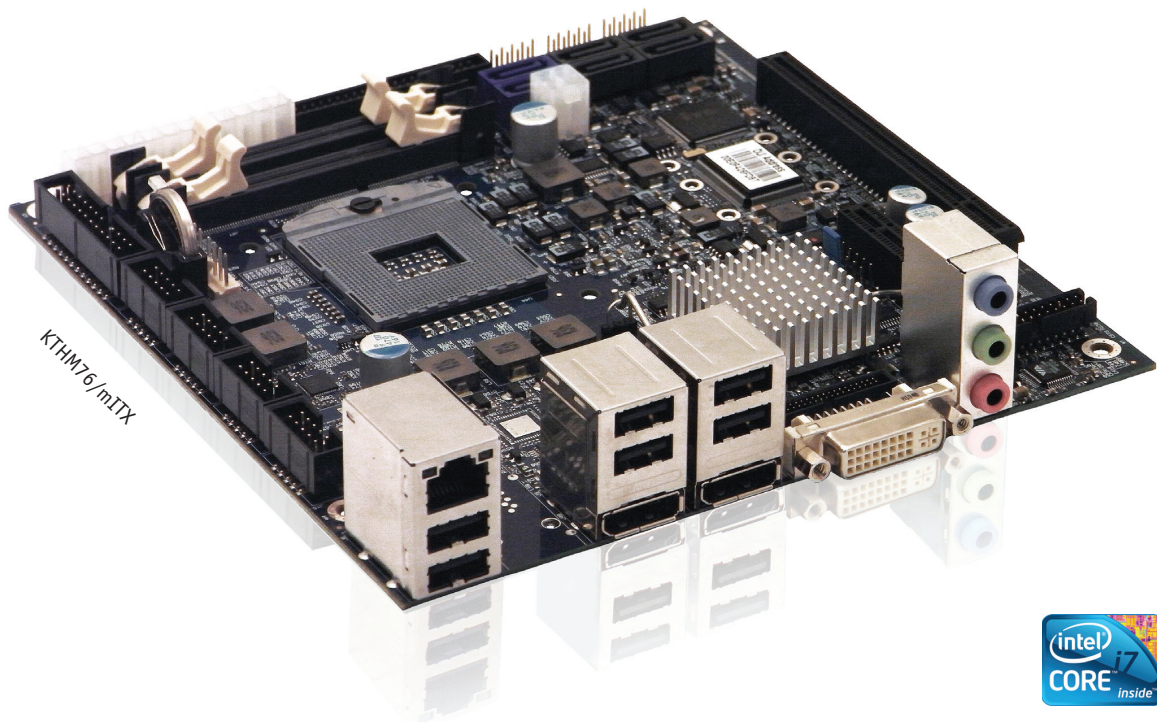


# » KTHM76/mITX «



## 3rd Generation Intel® i7-,i5,-i3 Dual and Quad Core CPUs & Intel® HM76 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), 8x USB 2.0 plus 4x USB 3.0,  
1x 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

# KTHM76/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

<b>CPU</b>	3rd Generation, Intel® i7-,i5-,i3 2 Core and 4 Core CPUs; Intel® Celeron® Processor B810
<b>CPU Clock</b>	Up to 2.7GHz (3.5 GHz in Turbo) depending on actual CPU
<b>DMI</b>	DMI 2.0 support; Four lanes in each direction; 5 GT/s point-to-point DMI interface to PCH is supported
<b>Chipset</b>	Intel® HM76
<b>DRAM</b>	Up to 8 GB DDR3 x2 (max. 16 GB) on Mini-ITX
<b>SATA</b>	6x SATA (incl. 2 x SATAIII)
<b>USB</b>	8x USB 2.0 plus 4x USB 3.0
<b>Ethernet</b>	1x Intel® GB LAN
<b>Available I/Os</b>	One PCIe x16, Gen. 3.0 plus one PCIe x1, Gen. 2.0, 4x COM, 2x mini PCI-Express, Internal PS2 Mouse/Keyboard connector
<b>Graphics Controller</b>	Integrated, Intel® HD4000 with support for 3 independent Displays
<b>Graphic Interface</b>	2x Display port, 1 DVI-I, LVDS, HDMI via Adapter / Gen 3.0 PCIe x16 slot
<b>Audio</b>	HD 7.1, Mic x2, CDROM in and SPDIF
<b>Rear I/O</b>	2x (Dual USB +Displayport), Dual USB + Ethernet, DVI, Audio 3x
<b>Temperature</b>	Operating 0°C - 60°C (32°F - 140°F)
<b>Special Feature</b>	GPIO, TPM 1.2, mSATA for SSD Storage, ATX and single 12V power supply, KT embedded feature port with ADC, DAC up to 160 GPIO
<b>Additional</b>	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

KTHM76/mITX variants	Format	PCI	SODIMM Sockets	Single +12V Power Supply
KTHM76/mITX	mITX	-	2	Yes

Available as well with Intel® QM77 Chipset with extended feature set.

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