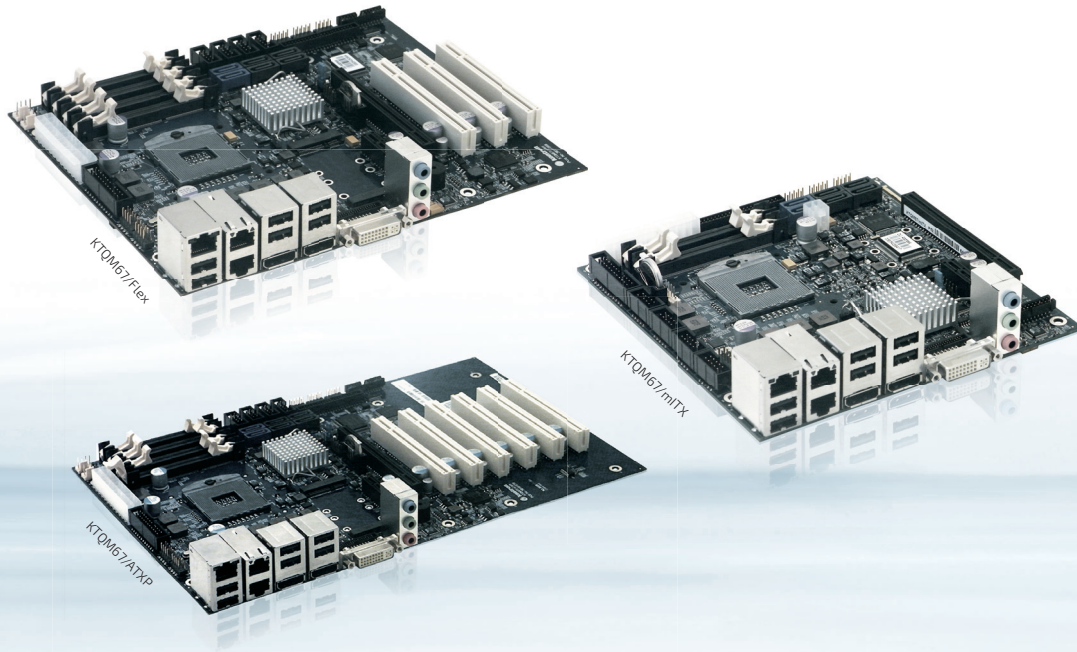


KTQM67 - Motherboard-Family

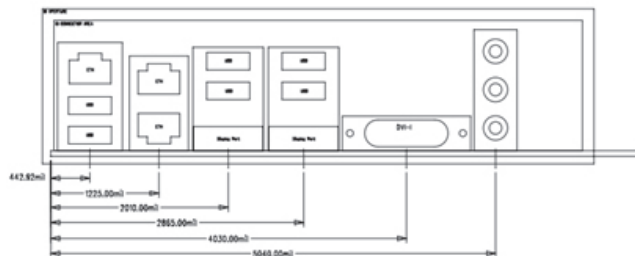


2nd GENERATION Intel® I7-, I5, -I3 2 Core AND 4 Core CPUs & Intel® QM67 CHIPSET

- ▶ long term available Embedded Motherboards
- ▶ high graphics performance incl. 2x Display Port, LVDS & DVI
- ▶ 6x SATA (incl. 2x SATA III), 14x USB 2.0, 3x Intel® GB LAN incl. Intel® AMT 7.0 support
- ▶ mSATA interface highspeed compact SSD storage
- ▶ Gen 2.0 PCIe x16 & PCIe x1/x4

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	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® QM67
DRAM	Up to 8 GByte DDR3 x2 (max. 16 GByte) on Mini-ITX; Up to 8 GByte DDR3 x4 (max. 32 GByte) on FLEX-ATX / ATX
SATA	6x SATA (incl. 2 x SATAIII) w. RAID -Support
USB	14x USB 2.0
ETHERNET	Up to 3x Intel® GByte LAN (incl 1x AMT 7.0 support)
AVAILABLE I/Os	1x PCI Express x16, 1 PCI Express x1, 4x COM, 2x mini PCI-Express, 2x IEEE1394a (Pin row), Internal PS2 Mouse/Keyboard connector
GRAPHICS CONTROLLER	Integrated
GRAPHIC INTERFACE	2x Display port, 1 DVI-I, LVDS / Embedded DP, HDMI via Adapter / 1x PCIe x16 PCI 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 7.0, 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

KTQM67 VARIANTS	FORMAT	PCI	SODIMM SOCKETS	SINGLE +12 V POWER SUPPLY
KTQM67/mITX	mITX	-	2	yes
KTQM67/Flex	Flex	3	4	no
KTQM67/ATXP	ATXP	6	4	no

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