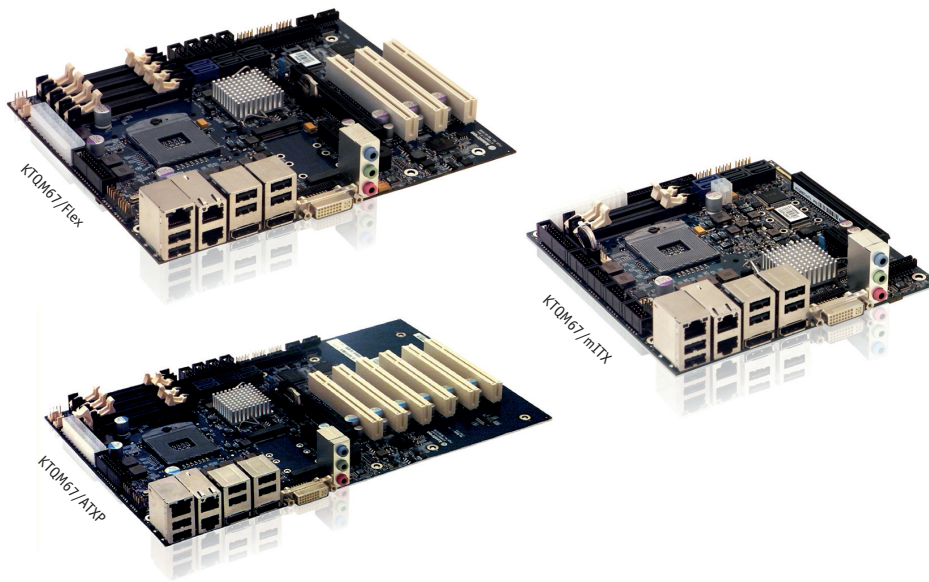


» KTQM67 - Motherboard-Family «

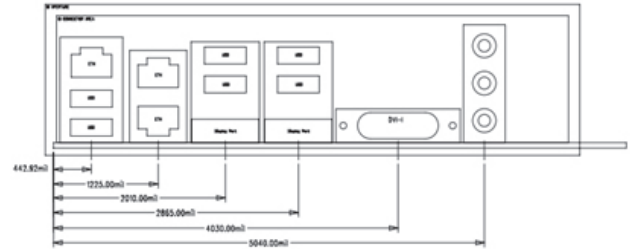


2nd Generation Intel® i7-, i5, -i3 2Core and 4Core CPUs & Intel® QM67 Chipset

- » 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
- » Unique multipurpose KT Feature Connector

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 GB DDR3 x2 (max. 16 GB) on Mini-ITX; Up to 8 GB DDR3 x4 (max. 32 GB) on FLEX-ATX / ATX |
| SATA | 6x SATA (incl. 2 x SATAIII) w. RAID -Support |
| USB | 14x USB 2.0 |
| Ethernet | Up to 3x Intel® GB 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 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

| KTQM67 variants | Format | PCI | SODIMM Sockets | Single +12V Power Supply |
|-----------------|--------|-----|----------------|--------------------------|
| KTQM67/mITX | mITX | - | 2 | Yes |
| KTQM67/Flex | Flex | 3 | 4 | No |
| KTQM67/ATXP | ATXP | 6 | 4 | No |

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