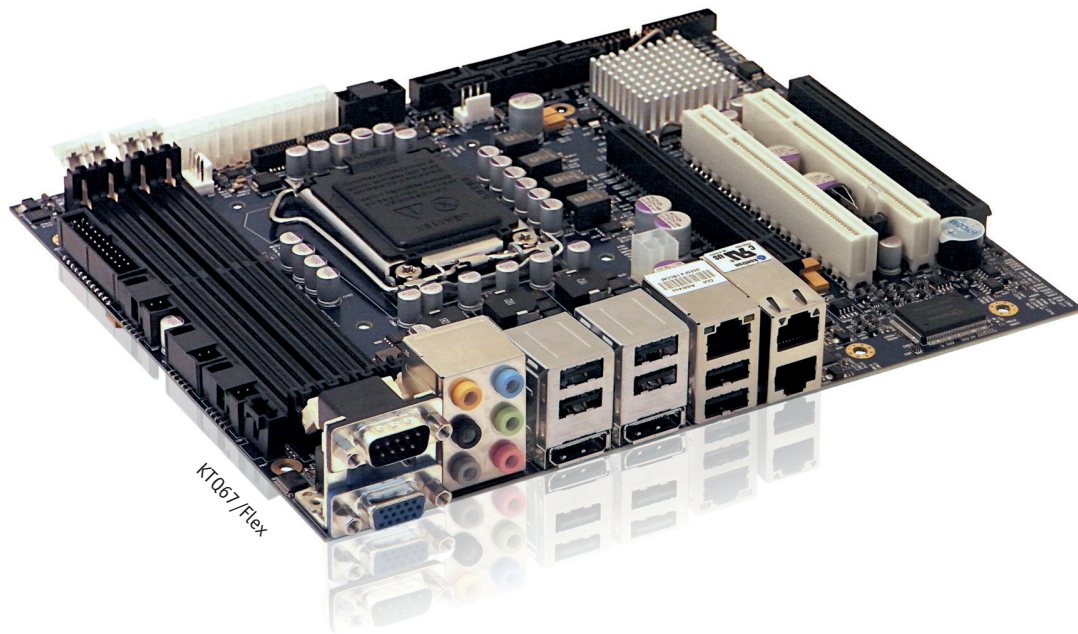


» KTQ67 - Motherboard- Family «



2nd Generation Intel® i7, i5, i3 2Core and 4Core CPUs & Intel® Q67 Chipset

- » Long term available Embedded Motherboards
- » High CPU and graphics performance incl. 2 x Display Port
- » Up to 32 GB DDR3 RAM
- » 6x SATA, 14x USB 2.0, 3x GbE-LAN (1x supporting Intel® AMT 7.0)
- » mSATA interface for compact SSD storage
- » Multi purpose KT Feature Connector
- » Gen 2.0 PCIe x16 & PCIe x4

KTQ67 - Motherboard Family

2nd Generation Intel® i7,-i5,-i3 2Core and 4Core CPUs & Intel® Q67 Chipset

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



Rear I/Os

Technical Information

KTQ67-Family	KTQ67-Family
CPU	Intel® Core™ i7/i5/i3 2C
CPU Clock	Up to 3.8 GHz
Front Side Bus	DMI 2.0 support; Four lanes in each direction; Up to 20 Gb/s each direction, full duplex. DMI interface to PCH is supported
Chipset	Intel® Q67
DRAM	Up to 8 GB DDR3, 4x (max. 32GB)
Graphics Controller	Integrated into CPU
SATA	6x SATA interfaces (4x SATA150/300 and 2x SATA600) w. RAID 0/1/5/10
USB	14x port USB 2.0
Ethernet	CRT output and SDVO digital output for DVI, LVDS & HDMI
HDD	5x SATA150/SATA300 w. RAID 0/1/5/10 support
Parallel Port	Parallel Port with SPP, ECP or EPP mode, via internal connector
Serial Port	2x RS232C serial ports with FIFO (FLEX) / 3x RS232C and one RS485 (ATXE)
Compact Flash	Compact Flash Type I + II (only Mini-ITX version)
IEEE1394	2x IEEE1394 (1x Internal and 1x External) (only Mini-ITX version)
Serial Port	4x RS232C serial ports with FIFO
USB	12x port USB 2.0 (4x internal and 8x external)
Ethernet	3x GbE-LAN, one LAN controller supporting Intel® AMT 7.0
Form Factor	Flex: 22,86 cm x 19,05 cm (9" x 7,5") ATXE: 30,48 cm x 19,05 cm (12,0" x 7,5")
Available I/Os	1x PCIe x4 (In x16 connector), 2x PCI 32bits/33MHz (on FLEX), 5x PCI 32bits/33MHz (on ATXE), 1x Mini-PCIe, 1x mSATA, 4x COM, Internal PS2 Mouse/Keyboard connector, LPT Parallel port in FFC connector
Graphic Interface	1x PCIe x16, 2x Display port, 1X LVDS (optional), 1x CRT
Rear I/O	DB9 serial port, DB15 VGA, Audio stacked 2x3 mini Jack tower, 6x USB, 2x Display port, 3x RJ45 LAN
Temperature	Operating 0°C - 60°C (32°F - 140°F)
Special Feature	Multi purpose HDD RAID 0,1,5,10 Support, GPIO, LPT, HD Audio, Mini-PCIe; AMT 7.0, mSATA interface for SSD storage, TPM 1.2 support, KT embedded feature connector with ADC, DAC up to 160 GPIO
Additional	Up to 7 years availability

Ordering Information

KTQ67 variants	Format	PCI	SODIMM Sockets	Single +12V Power Supply
KTQ67/Flex	Flex	2	4	No
KTQ67/ATX	ATXE	5	4	No

CORPORATE OFFICES

Europe, Middle East & Africa

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany

Tel.: +49 (0) 821 4086-0
Fax: +49 (0) 821 4086 111
sales@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

17 Building,Block #1, ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China

Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn