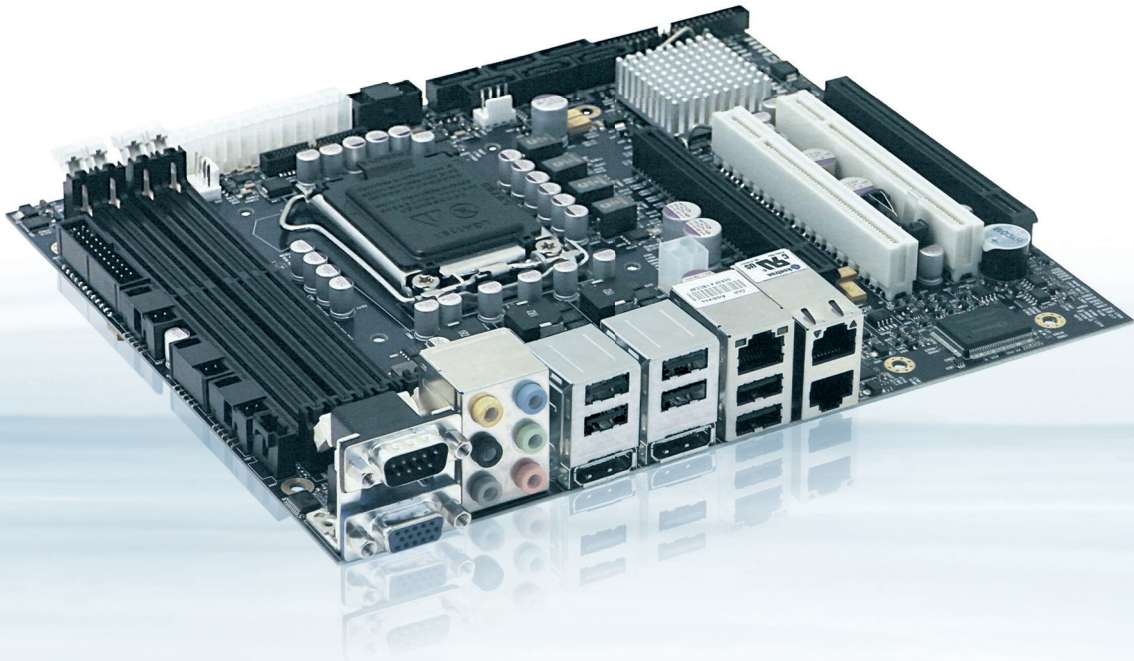


KTQ67 - Motherboard-Family



2nd GENERATION Intel® i7, i5, i3 2 Core™ AND 4 Core™ CPUS & Intel® Q67 CHIPSET

- ▶ long term available Embedded Motherboards
- ▶ high CPU and graphics performance incl. 2 x Display Port
- ▶ up to 32 GByte DDR3 RAM
- ▶ 6x SATA, 14x USB 2.0, 3x GbE-LAN (1x supporting Intel® AMT 7.0)
- ▶ mSATA interface for compact SSD storage

KTQ67 - Motherboard Family

2nd GENERATION Intel® i7-,i5,-i3 2 Core™ AND 4 Core™ 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 GByte DDR3, 4x (max. 32 GByte)
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 32 bits/33 MHz (on FLEX), 5x PCI 32 bits/33 MHz (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 +12 V 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.: + 49 821 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,
Economical & Technological Development Zone,
Beijing, 100176, P.R.China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn