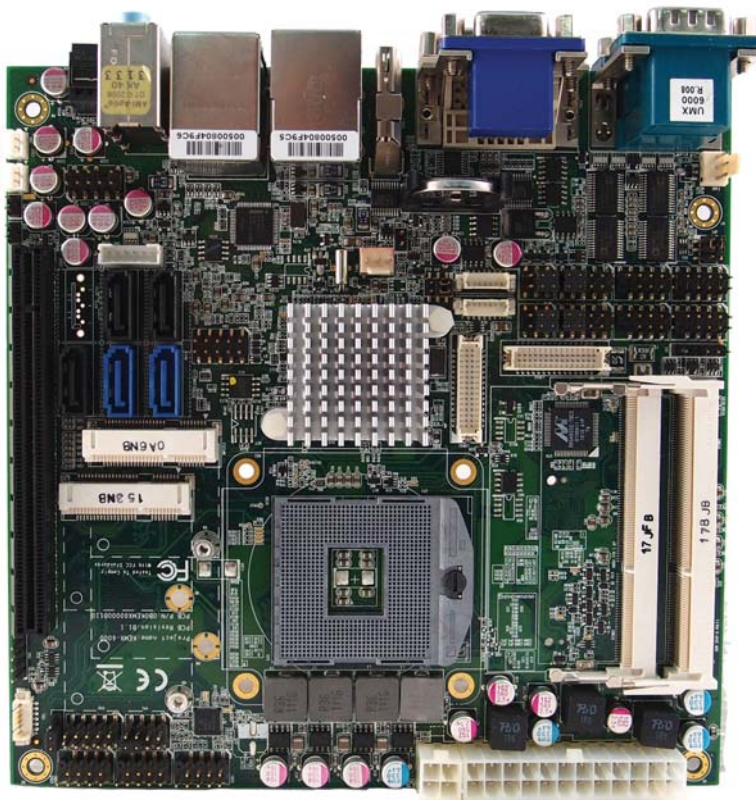


KEMX-6000

Industrial Motherboard in Mini-ITX form factor
with Intel® Core™ i3/i5/i7 Processors and QM67 Express Chipset



- 2nd Generation Intel® Core™ i3/i5/i7 Processors
- Intel® QM67 Express Chipset
- 1x VGA, 1x DVI-D, 1x HDMI, and 2x 24-bit dual-channel LVDS
- 2x Dual Channel DDR3 SO-DIMM Socket, total up to 16 GB
- 1x PCIE x 16, 2x Mini PCIe slot, 1x Compact Flash Socket
- 5x SATA, 2x USB 3.0, 8x USB 2.0, 6x COM Ports
- 2x GbE, iAMT 7.0 supported
- Watchdog Timer, Hardware Monitor

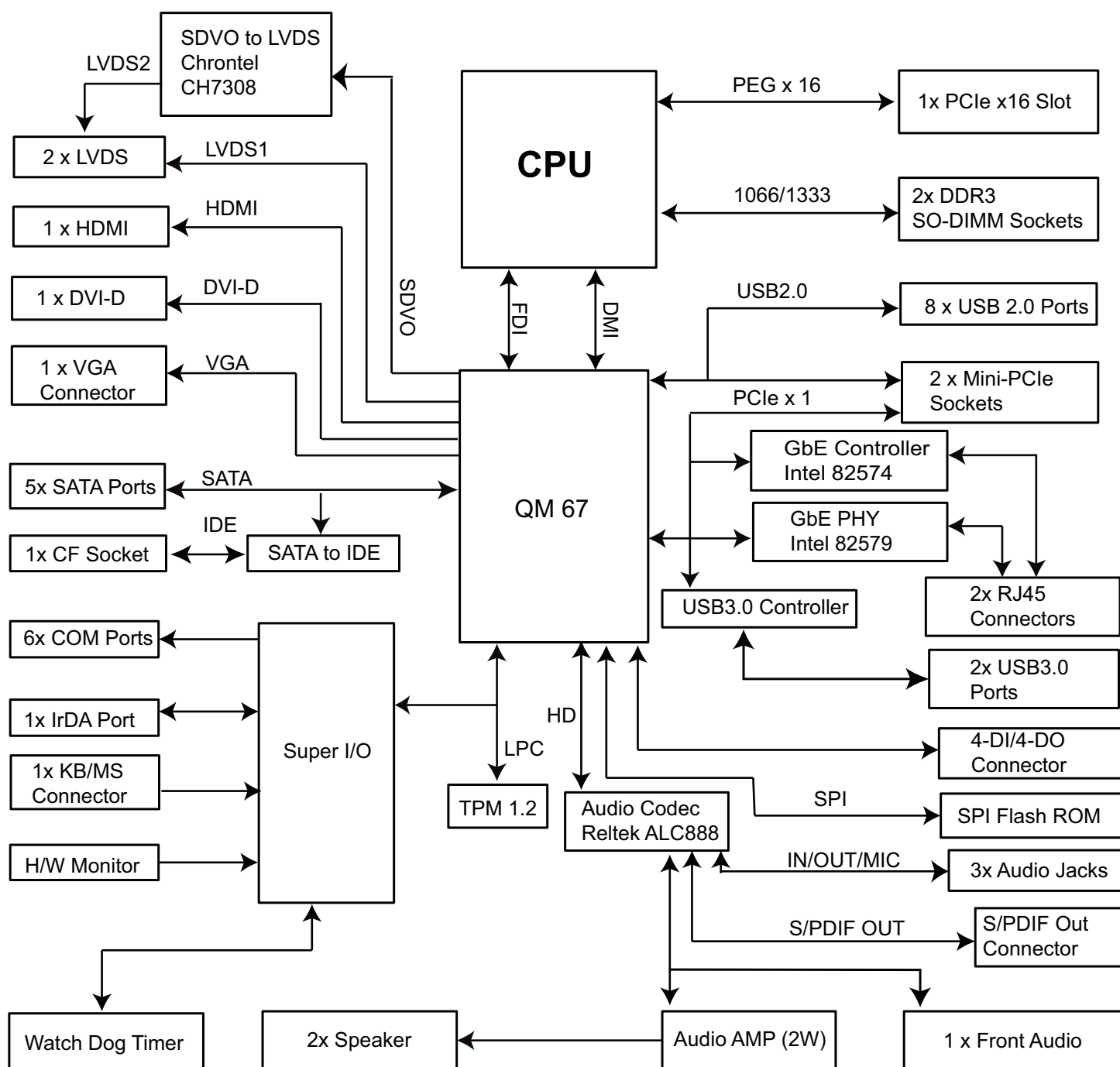
Product Overview

The KEMX-6000 is a Mini-ITX form factor industrial motherboard combining the latest 2nd generation Intel® Core™ i3/i5/i7 processors with the high integration of the Intel® QM67 chipset. Featured are DDR3 1066/1333 SO-DIMM up to 16GB, 24-bit LVDS, HDMI, DVI-D, VGA, 2x Gigabit Ethernet, 5x SATA, 1x PCIe x 16,

2 x mini PCIe Expansion slot, 2x USB 3.0, 8x USB 2.0, 6x COM ports with Power Selection, HD audio, keyboard/mouse and CompactFlash.

The KEMX-6000 is a compact, high performance industrial motherboard that is ideal for a variety of applications.

Block Diagram



Technical Information

| |
|---|
| CPU Support |
| 2nd Generation Intel® Core™ i3/i5/i7 Processors |
| Chipset |
| Intel® QM67 Express Chipset |
| Memory |
| 2x DDR3 1066/1333 SO-DIMM Socket, up to 16GB |
| BIOS |
| AMI PnP BIOS/iAMT 7.0 supported |
| Display |
| 1x HDMI |
| 1x DVI-D |
| 2x 24-bit dual-channel LVDS |
| 1x VGA (DB15) |
| Peripheral Support |
| Storage supported |
| 5x SATA connectors (Raid 0/1/5/10 supported) |
| 1x CF socket (Bottom side) |
| 8x USB 2.0 ports |
| 2x USB 3.0 ports |
| 1x 8-bits DIO supported (4-bits DI/DO) |
| 1x PS/2 Keyboard/Mouse (internal) |
| 6x COM ports supported |
| COM1, COM2 on rear I/O |
| COM1 & COM2 with RS-232/422/485 supported |
| COM3 & COM4 with RS-232 only (internal) |
| COM5 & COM6 with power selection (internal) |
| 1x IrDA supported |
| TPM1.2 supported |

| |
|---|
| Audio |
| Realtek ALC888 HD audio codec w/ 2Watts audio amplifier |
| Support Line-Out, Line-In and Mic-In on rear I/O |
| 1x S/PDIF connector |
| 1x Front panel audio supported |
| 2x Speaker out connector (internal) |
| LAN |
| 2x RJ-45, Gigabit Ethernet |
| Intel GbE PHY 82579 and 82574 GbE controller |
| Power Connector |
| 1x ATX-24P for power input |
| 1x ATX-4P for CPU core power |
| AT/ATX supported |
| Expansion |
| 2x Mini-PCIe slot supported |
| 1x 2G/3G SIM Card module supported |
| 1x PCIe x 16 slot supported |
| ACPI |
| ACPI 3.0b supported |
| Watchdog Timer |
| 1-255 step |
| Hardware Monitor |
| Operating voltage, CPU temperature and fan speed |
| Dimensions |
| Mini-ITX (170 x 170 mm) |
| Environmental Factors |
| Operation Temp: 0°C - 60°C |
| Storage Temp.: -10°C - 85°C |
| Humidity: 0% - 90% |
| Certifications |
| CE, FCC Class A |

KEMX-6000 Rear I/O

