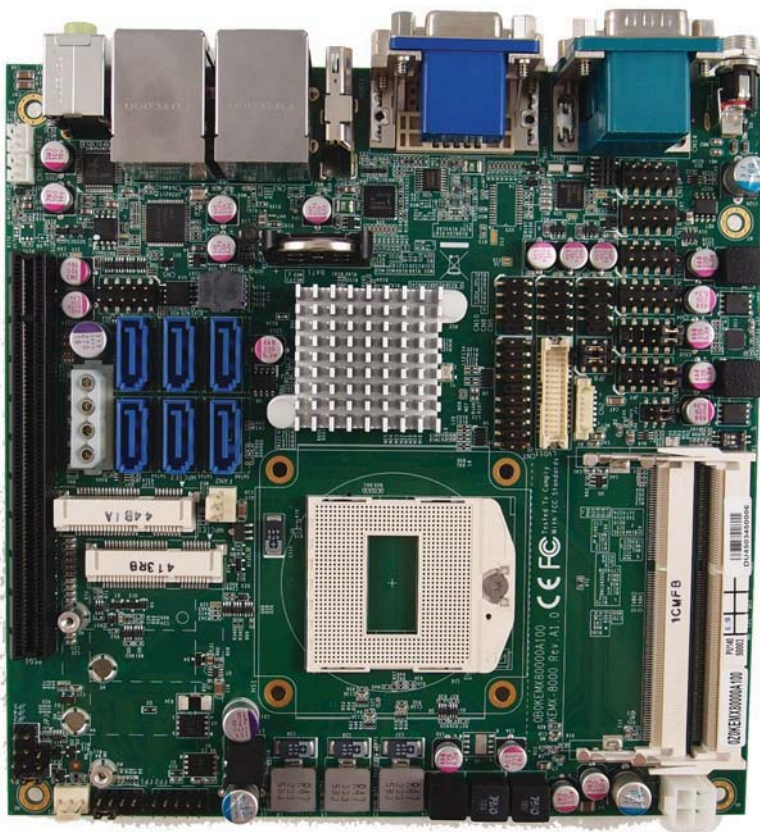


KEMX-8000 Series

Industrial Motherboard in Mini-ITX form factor
with Intel® Haswell Processor
and HM87/QM87 Express Chipset



- Intel® Haswell Processor
- Intel® HM87 / QM87 Express Chipset
- 1x VGA, 1x HDMI, 1x DVI-D and 1x 18/24/30-bit, 1/2/4-channel LVDS
- 2x DDR3L SO-DIMM Sockets
- 2x Mini PCIe Sockets and 1x mSATA Socket (Optional)
- 6x SATA, 6x USB 3.0, 6x USB 2.0 and 6x COM
- 2x GbE, DIO support
- Watchdog Timer, Hardware Monitor

Distributed by:



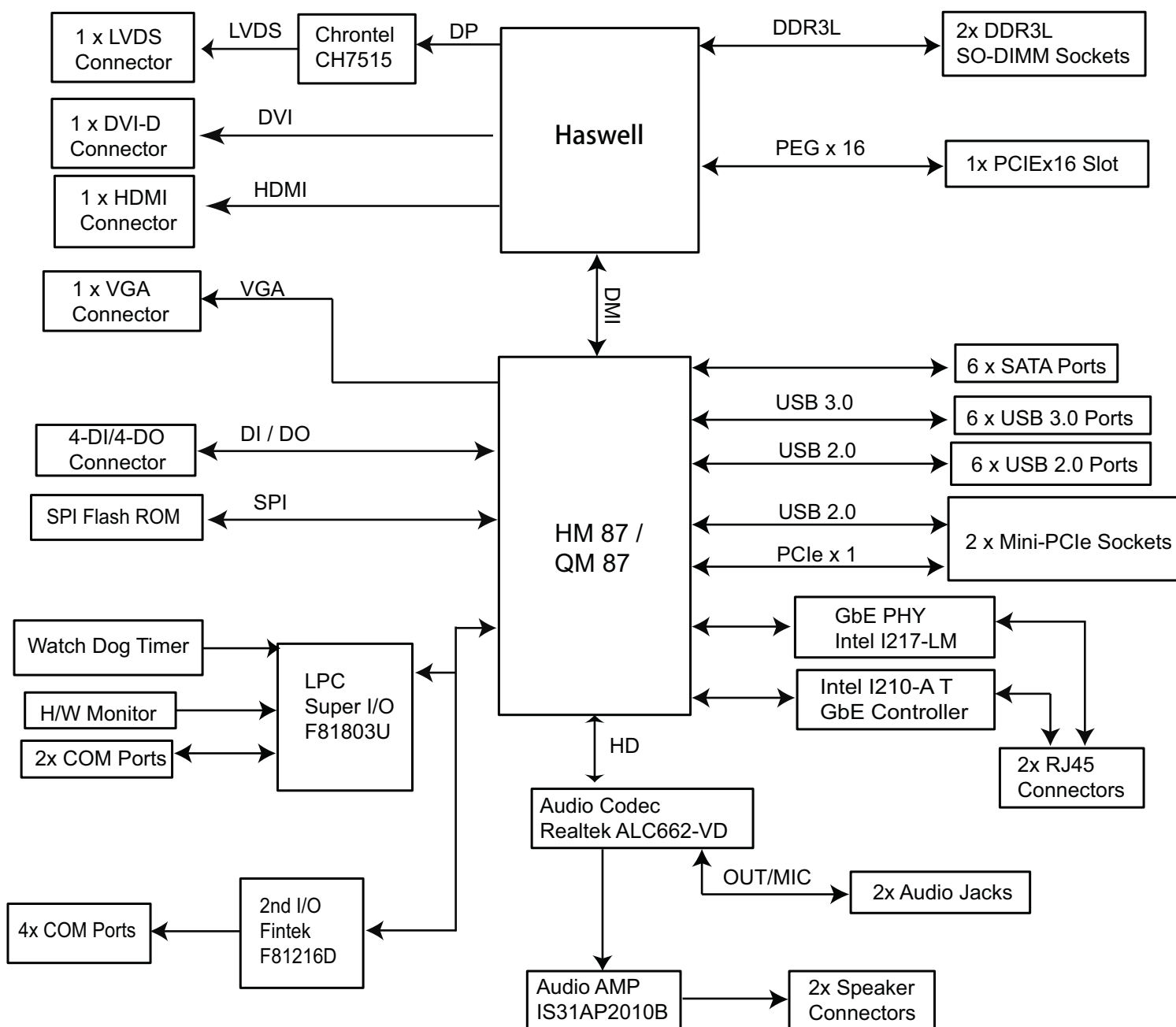
www.texim-europe.com

Product Overview

The KEMX-8000 Series is a Mini-ITX form factor industrial motherboard combining Intel® Haswell Processor with the high integration of the Intel® HM87/QM87 chipset. Featured are 2x DDR3L SO-DIMM, LVDS, HDMI, DVI-D, VGA, 2x Gigabit Ethernet, 6x SATA, 6x USB3.0, 2x Mini PCIe Sockets, 1x mSATA socket, 6x COM ports, HD audio and DIO.

The KEMX-8000 Series is a compact, high performance industrial motherboard that is ideal for a variety of applications.

Block Diagram

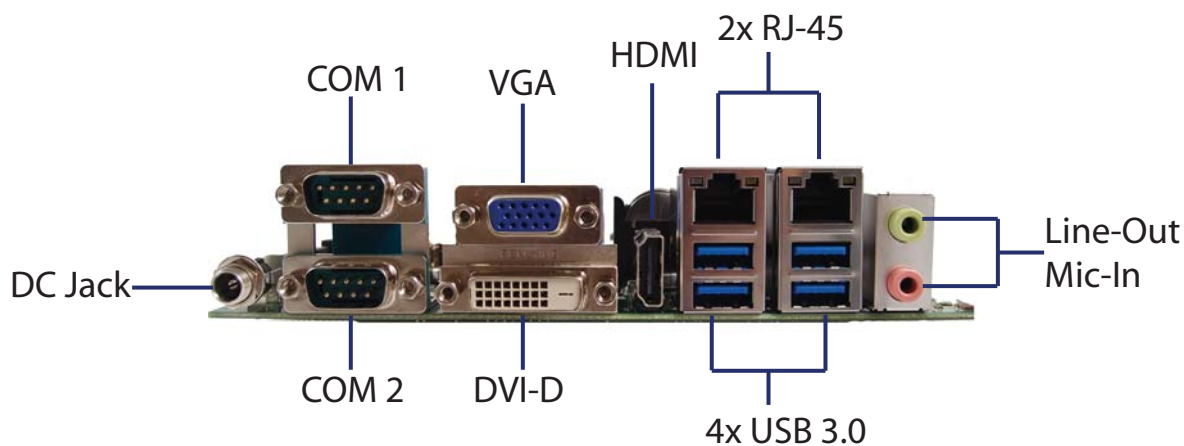


Technical Information

CPU Support
Intel® Haswell Processor
Chipset
Intel® HM87 Express Chipset Intel® QM87 Express Chipset
Memory
2x DDR3L SO-DIMM Sockets
BIOS
AMI uEFI BIOS/ 1x 128mb SPI flash ROM
Display
1x HDMI 1x DVI-D 1x VGA 1x SPWG connector for 18/24/30-bit, 1/2/4-ch LVDS
Peripheral Support
Storage supported 6x SATA ports 1x Option mSATA socket mixed with mPCIe 6x USB 2.0 ports 6x USB 3.0 ports (2x USB3.0 ports on internal Headers) 1x 8-bits DIO supported (4-bits DI/DO) 6x COM ports supported COM1 & COM2 with RS-232/422/485 supported COM3 ~COM6 with RS-232 supported 1x +12VDC CPU Smart FAN support 1x +12VDC System Smart FAN support SM bus supported MISC support 1x Header for Reset button, HDD LED and External Speaker support 1x Header for Power button, Power LED and SM bus support 1x Header for mPCIe activity LED support 1x Header for 8-bit DIO support

Audio
2x Audio Jacks for Line-out & MIC-In 2x Wafers for Stereo Speaker output
LAN
2x RJ-45, Gigabit Ethernet
Power Connector
1x ATX Power Connector for 9-24VDC input Or 1x DC Jack on rear I/O for 9-24VDC input 1x Wafer for HDD Power supply 1x Wafer for Panel Power supply ATX/AT Mode Support / ACPI 4.0a Support
Expansion
1x PCIe16 Slot 2x mPCIe Sockets 1x Wafer for SIM card
Watchdog Timer
Programable WDT to generate System reset event
Hardware Monitor
Voltages / Temperature monitoring
Dimensions
Mini-ITX (170 x 170 mm)
Environmental Factors
Operation Temp: 0°C - 60°C Storage Temp.: -10°C - 85°C Humidity: 0% - 90%
Real Time Clock
Chipset integrated RTC
Certifications
CE, FCC Class A

KEMX-8000 Series Rear I/O



Ordering Information

Article	Part No.	Description
KEMX-8000 *	BMMX8000-000000T	Mini-ITX CPU Board, Intel® Haswell Processor+HM87, 2x DDR3L SODIMM, 2 x GbE LANs, 1x VGA, 1xLVDS, 1x DVI-D, 1x HDMI, 6x USB3.0, 6x USB2.0, 6x COM and DIO
KEMX-8001	BMMX8000-010000T	Mini-ITX CPU Board, Intel® Haswell Processor+QM87, 2x DDR3L SODIMM, 2 x GbE LANs, 1x VGA, 1xLVDS, 1x DVI-D, 1x HDMI, 6x USB3.0, 6x USB2.0, 6x COM and DIO

* : default