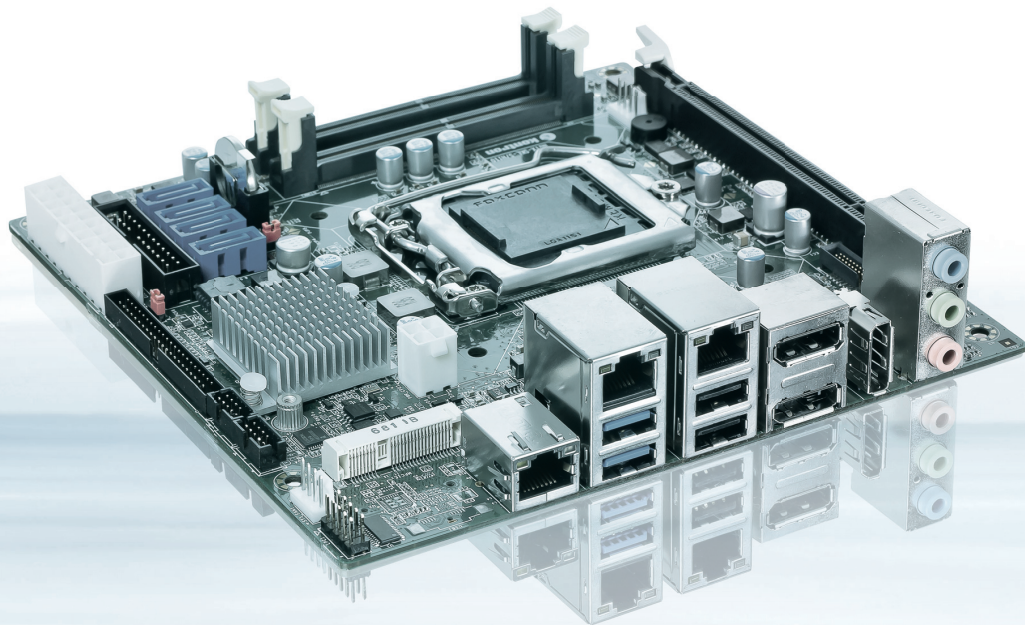


mITX-KBL-S-C236



EMBEDDED mITX DESKTOP MOTHERBOARD WITH 7th GEN Intel® 14NM QUAD CORE™ i3/i5/i7, XEON® E3 CPUS

- ▶ Long term available embedded mITX desktop class motherboard
- ▶ LVDS 24bit dual channel and Display Port 1.2
- ▶ SO-DIMM DDR4-2133 memory (up to 32 GByte)
- ▶ TPM2.0 and hardware security device to protect applications and licensing
- ▶ mPCIe and M.2 socket

POSSIBILITIES START HERE



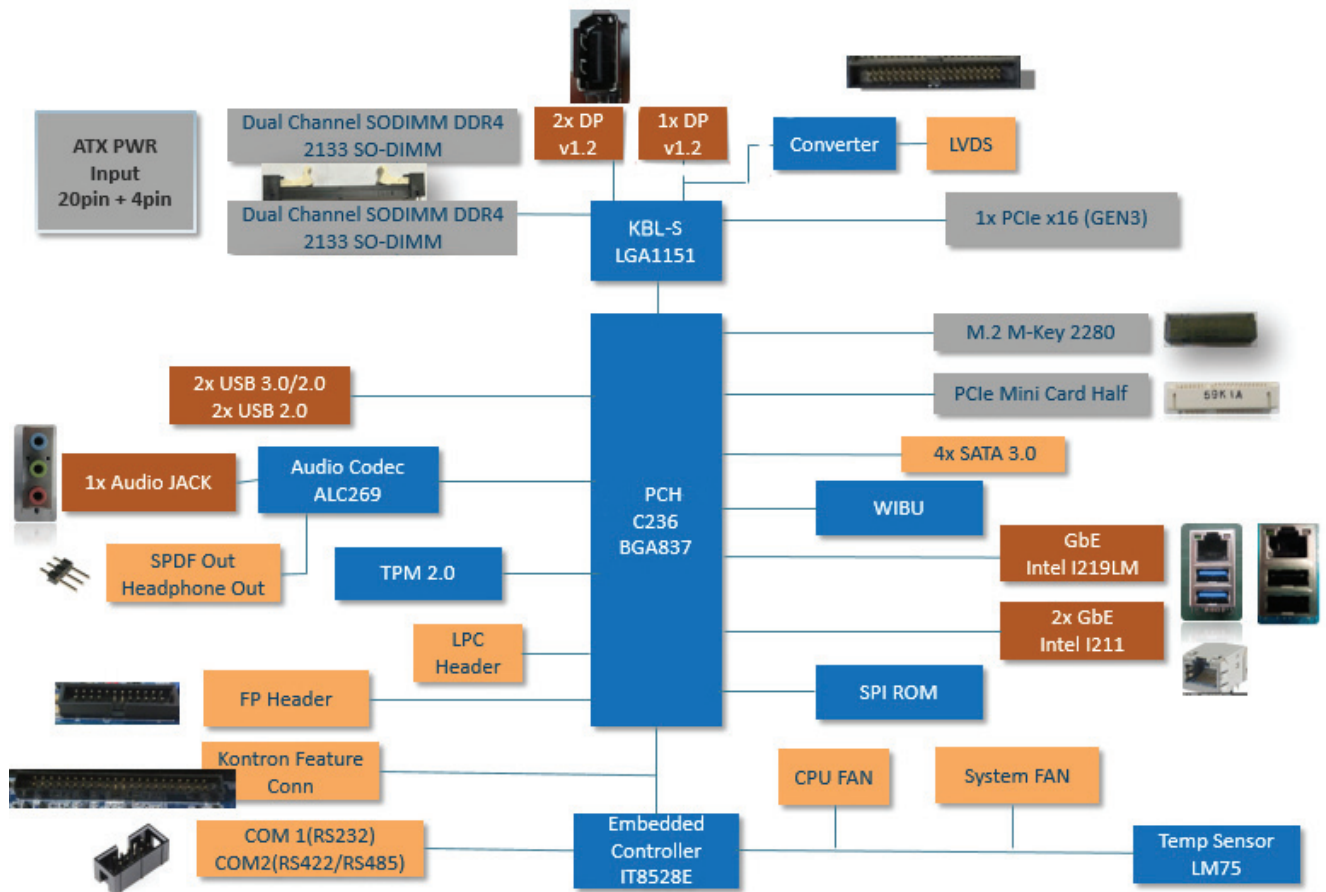
mITX-KBL-S-C236

Typical Applications

- ▶ POS/POI: Higher Graphics and CPU core performance, Low power, multi display support
- ▶ Medical/Connectivity: Higher Graphics and CPU core performance, longevity
- ▶ Industrial Automation: Wide range of I/Os, compact size, longevity
- ▶ Digital signage: Multi display support, low power, wide range of I/Os
- ▶ Future-oriented Devices: Display Port and LVDS, low power, compact size

The mITX-KBL-S-C236 is part of the Security Solution Product Line the motherboard is prepared for Application Protection, License Creation, Delivery, Management and Tracking, Implementation of license models as well as the assignment of privileges and access levels.

► BLOCK DIAGRAM MITX-KBL-S-C236



► TECHNICAL INFORMATION

| | |
|-----------------------|--|
| PROCESSOR | Intel® Xeon® E3, Core™ i7/i5 |
| MEMORY | 2x DDR4 ECC/Non ECC SODIMM 2133 MHz (up to 32 GByte) |
| GRAPHICS INTERFACE | 3x Independent Displays (3x DP, 2x DP+LVDS) |
| SPECIAL | TPM2.0, hardware security device, M.2 (2280, Socket 3, M-Key) |
| SATA PORTS | 4x SATA Gen 3.0 |
| MPCIE / MSATA SLOT | 1x Mini-PCIe (Half size) with USB2.0 |
| SERIAL PORTS | 1x RS232; 1x RS485 Half duplex /2 pairs RS422 |
| LAN PORTS | 3x LAN Ethernet on rear IO Gigabit (10/100/1000 MBit) |
| USB PORTS | 2x USB 3.0 (Rear) + 2x USB 2.0 (Rear) + 2x USB 2.0 (Front Header) + 1x USB 2.0 (mPCIe) |
| AUDIO | HD Analog audio interface (Line-In, Line-Out, Mic-In, SPDIF) |
| PCIe SLOTS | 1x PCIe x16 (Gen 3) |
| TPM | TPM2.0, Hardware Security Device |
| POWER SUPPLY | ATX PWR 20pin + 4pin (Internal Input Power) |
| MTBF | TBD |
| COMPLIANCE | UL, CE, ROHS, WEEE |
| SAFETY | IEC 60950-1: 2005, 2nd Edition UL 60950-1, CSA C22.2 No. 60950-1 |
| COOLING SOLUTIONS | Active cooling solutions |
| OPERATING TEMPERATURE | 0 °C to 60 °C |
| REGULATORY | Comply with Emission: EN55022 |
| DIMENSIONS | mITX, 170 x 170 mm |
| OPERATING SYSTEMS | Win10 IoT 64bit, Linux |
| BIOS | AMI Aptio V UEFI |
| CHIPSET | C236 |

GLOBAL HEADQUARTERS

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