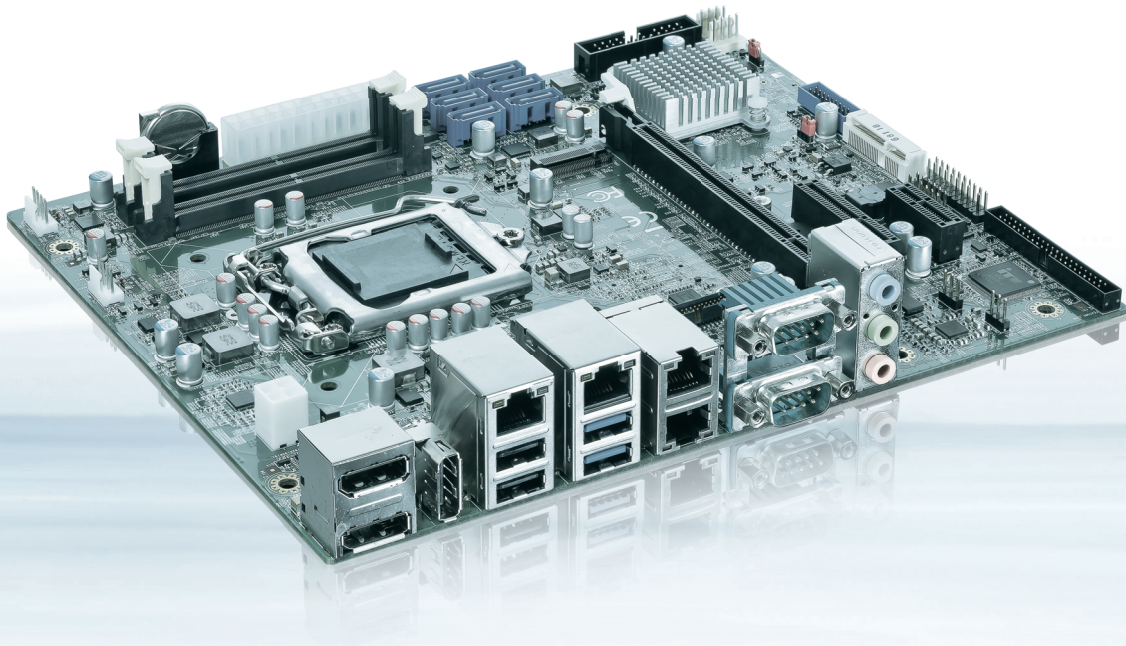


FlexATX-KBL-S-C236



Embedded FlexATX Desktop Motherboard with 7th Gen Intel® 14nm Quad Core™ i3/i5/i7, Xeon® E3 CPUs

- ▶ Long term available embedded FlexATX Desktop Class Motherboard
- ▶ LVDS 24 bit Dual Channel and Display Port 1.2
- ▶ SODIMM Socket 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



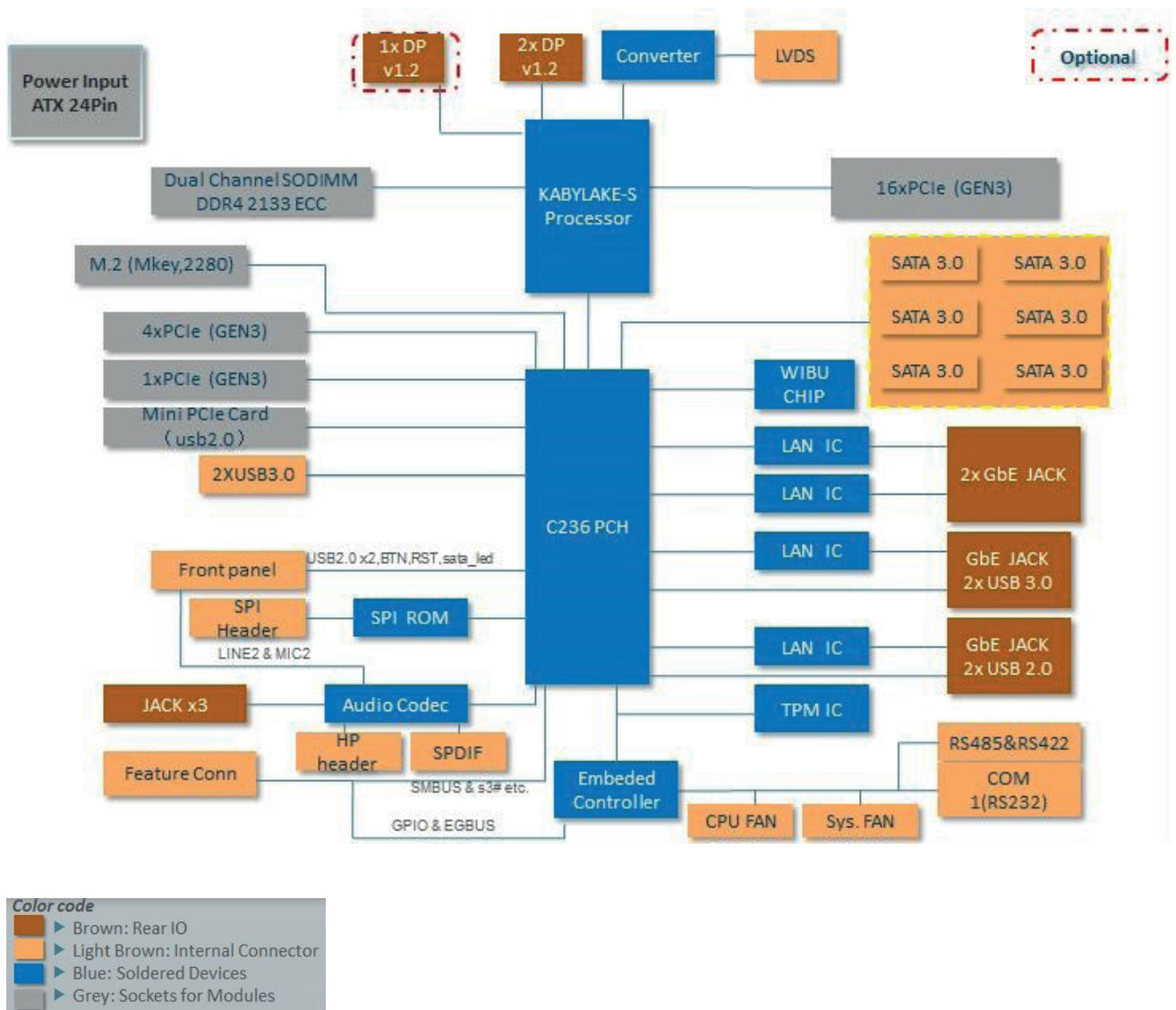
FlexATX-KBL-S-C236

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 FlexATX-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 FlexATX-SKL-S



► 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 (2DP+LVDS) / Optionally: 3x DP without LVDS
SPECIAL	TPM2.0, Hardware Security Device, M.2 (2280, Socket 3, M-Key)
SATA PORTS	6x SATA Gen 3.0
MPCIE / MSATA SLOT	1x Mini-PCIe (Full size) with USB 2.0
SERIAL PORTS	1x RS232; 1x RS485 Half duplex /2 pairs RS422
LAN PORTS	4x Ethernet on rear IO Gigabit-LAN (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) + 2x USB 3.0 (Internal)
AUDIO	HD Analog audio interface (Line-In, Line-Out, Mic-In, SPDIF)
PCIe SLOTS	1x PCIe x16 (Gen 3) + 1x PCIe x 4 + 1x PCIe x 1
TPM	TPM2.0, Hardware Security Device
POWER SUPPLY	ATX PWR 24pin
MTBF	tbd.
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	Flex, 229 mm x 191 mm (9.0" x 7.5")
OPERATING SYSTEMS	Win7, Win8.1, Win10, WES7, Linux
BIOS	AMI Aptio V UEFI
CHIPSET	C236

► Global Headquarters

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