

eDM-COMB-SL6

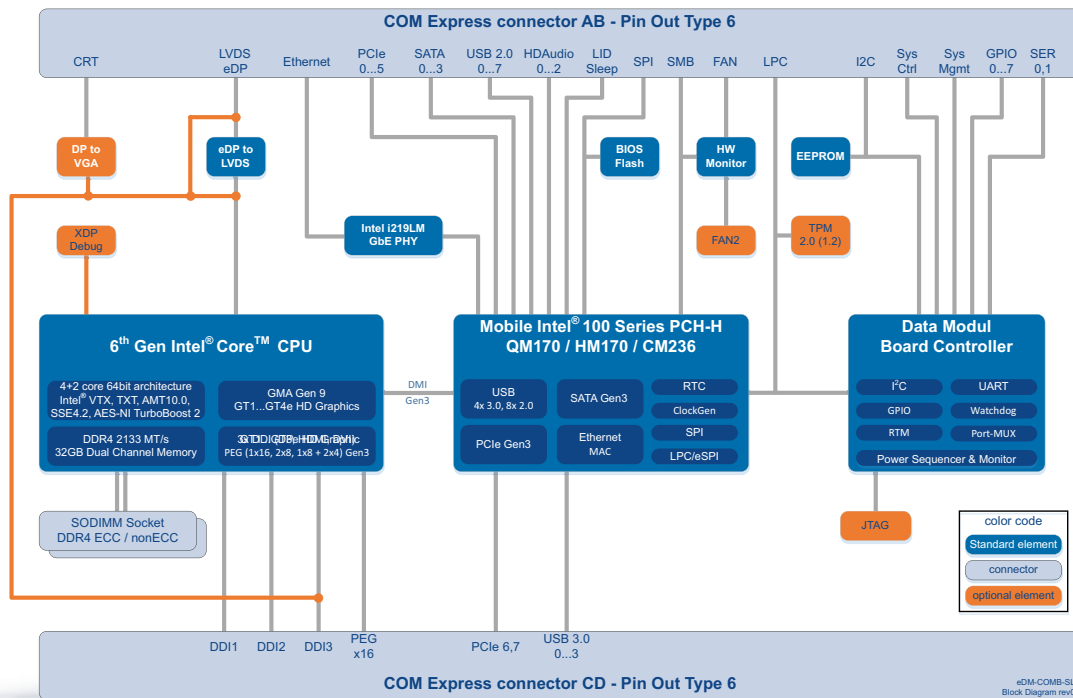
FEATURES

- COM Express® Basic Size (95 x 125 mm), Type 6 Connector Layout
- 6th Gen. Intel® Core® processor up to 3.7 GHz
- Up to 32 GB DDR4 memory, ECC/Non-ECC
- 3 independent displays up to 4k resolution
- Up to Intel® Iris™ Pro Graphics P580

TECHNICAL INFORMATION

Formfactor	COM Express™ Basic, (95 x 125 mm), Type 6 Connector Layout
CPU	<p>Intel® Xeon® E3-1515MV5 2.8 GHz/3.7 GHz (Turbo), 4C/GT4, 8 MB L2 Cache, TDP 45W 35W, ECC Intel® Xeon® E3-1505LV5 2.0 GHz/2.8 GHz (Turbo), 4C/GT2, 8 MB L2 Cache, TDP 25W, ECC Intel® Core® i7-6820EQ 2.8 GHz/3.5 GHz (Turbo), 4C/GT2, 8 MB L2 Cache, TDP 45W Intel® Core® i7-6822EQ 2.0 GHz/2.8 GHz (Turbo), 4C/GT2, 8 MB L2 Cache, TDP 25W Intel® Core® i5-6440EQ 2.7 GHz/3.7 GHz (Turbo), 4C/GT2, 6 MB L2 Cache, TDP 45W Intel® Core® i5-6442EQ 1.9 GHz/2.7 GHz (Turbo), 4C/GT2, 6 MB L2 Cache, TDP 25W Intel® Core® i3-6100E 2.7 GHz, 2C/GT2, 3 MB L2 Cache, TDP 35W Intel® Core® i3-6102E 1.9 GHz, 2C/GT2, 3 MB L2 Cache, TDP 25W Intel® Celeron® G3900E 2.4 GHz, 2C/GT1, 2 MB L2 Cache, TDP 35W Intel® Celeron® G3902E 1.6 GHz, 2C/GT1, 2 MB L2 Cache, TDP 25W</p> <p>Supports: Intel® VT, Intel® TXT, Intel® SSE4.2, Intel® HT Technology, Intel® Turbo Boost Technology 2.0, Intel® AVX2, Intel® AES-NI, PCLMULQDQ Instruction, Intel® Secure Key and Intel® TSX-NI, integrated Intel® Gen 9 HD Graphics Engine</p>
Memory	2 x SO-DIMM Socket: DDR4 up to 32GByte (2133MT/s), Intel® Xeon® with ECC support
Chipset	Mobile Intel® 100 Series Chipset QM170, HM170 and CM236
Graphics	Intel® Gen 9 HD Graphics Engine (GT1..GT4) with OpenCL 2.0, OpenGL 4.3 and DirectX12 up to 3 independent displays with up to 4k resolution: HDMI 1.4, DVI, DisplayPort 1.2 High performance hardware MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC) Playback of high definition content including Blu-ray Disc
Display Interfaces	3 x DDI (DP++, HDMI, DVI) / up to 4k resolution 1 x VGA (optional) 1 x Dual Channel 24 Bit LVDS up to 1920 x 1200 Pixel (optional eDP up to 4k resolution)
Ethernet	Intel® I219-LM GbE LAN Controller with AMT 11 support
I/O Interfaces	4 x USB 3.0 (XHCI) , 8 x USB 2.0 (EHCI), 2 x UART (COM1/2) 8 x PCIe Gen 3.0 lanes (x1/x2/x4 operation), 1 x PEG x16 Gen 3.0 4 x SATA (6Gb/s), RAID 0,1,5,10 support, Rapid Storage Technology, Smart Response Technology LPC Bus / TPM1.2 / TPM2.0 / GPIOs / SMB 2.0 / I²C Bus SPI for onboard/external Flash Intel HD Audio
DM Board Controller	Multi Stage Watchdog, UART, GPIO, I²C Bus, RTM, Port-Mux, Manufacturing and Board Information, Power Sequencer & Monitor
Power Type	VCC: +12 V (+/-5%), 5V_SB: 5V (+/-5%), Mode: ATX Mode, VCC only without 5V_SB
Operating Systems	Microsoft® Windows 10, Microsoft® Windows 7, WES7, Microsoft® Windows 8.1, WES8 Linux (Yocto)
Security	Optionally Trusted Platform Module: TPM 1.2 /TPM 2.0
Operating Temperature	Operating: 0°C ... +60°C , -40°C ... +85°C (on request), Storage: -20°C ... +80°C
Humidity Operating	Operating: 5 - 90% RH non-condensing, Storage: 5 - 95% RH non-condensing

BLOCK DIAGRAMM



ORDERING INFORMATION

Model Name	Part Nr.	Description
eDM-COMB-SL6-E3-1515MV5	12022515	COM Express Type 6 Basic with Intel® Xeon® E3-1515MV5, GT4, CM236 chipset, ECC
eDM-COMB-SL6-E3-1505LV5	12022516	COM Express Type 6 Basic with Intel® Xeon® E3-1505LV5, GT2, CM236 chipset, ECC
eDM-COMB-SL6-i7-6820EQ	12022507	COM Express Type 6 Basic with Intel® Core® i7-6820EQ, GT2, QM170 chipset
eDM-COMB-SL6-i7-6822EQ	12022508	COM Express Type 6 Basic with Intel® Core® i7-6822EQ, GT2, QM170 chipset
eDM-COMB-SL6-i5-6440EQ	12022509	COM Express Type 6 Basic with Intel® Core® i5-6440EQ, GT2, QM170 chipset
eDM-COMB-SL6-i5-6442EQ	12022510	COM Express Type 6 Basic with Intel® Core® i5-6442EQ, GT2, QM170 chipset
eDM-COMB-SL6-i3-6100E	12022511	COM Express Type 6 Basic with Intel® Core® i3-6100E, GT2, HM170 chipset
eDM-COMB-SL6-i3-6102E	12022512	COM Express Type 6 Basic with Intel® Core® i3-6102E, GT2, HM170 chipset
eDM-COMB-SL6-G3900E	12022513	COM Express Type 6 Basic with Intel® Celeron G3900E, GT1, HM170 chipset
eDM-COMB-SL6-G3902E	12022514	COM Express Type 6 Basic with Intel® Celeron G3902E, GT1, HM170 chipset

Accessories	Part Nr.	Description
eDM-COMB-SL6 -CF	12022742	Standard cooling solution with fan
eDM-COMB-SL6 -CP	12022745	Standard cooling solution passive
eDM-COMB-SL6 -CH	12022746	Standard heatspreader with 8mm standoffs, 3mm plate, flat surface

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