

eDM-COMC-BS6



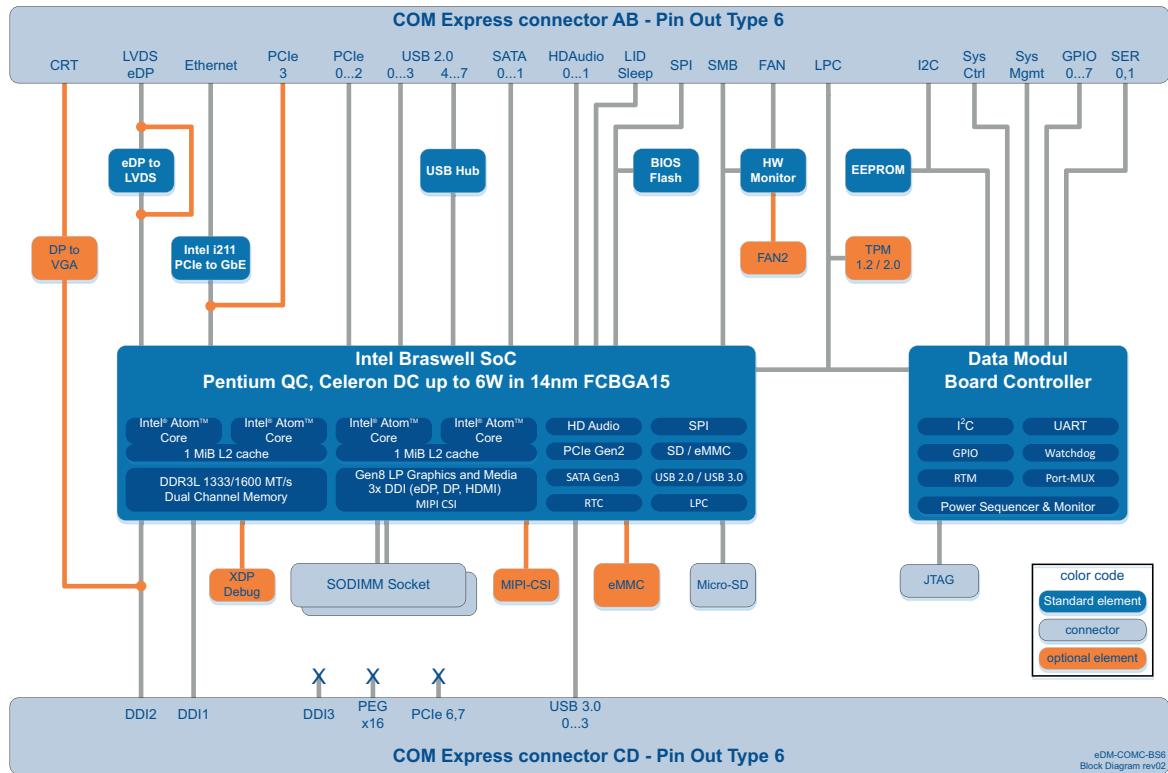
Features

- » *COM Express® Compact Size (95 x 95 mm), Type 6 Connector Layout*
- » *Intel® Pentium® Quad Core CPU
(formerly codename Braswell)*
- » *supports up to 3 independent displays up to 4k resolution*
- » *High Graphics Performance with passive cooling*

Technical Information

Formfactor	COM Express™ Compact, (95 x 95 mm), Type 6 Connector Layout
CPU	<p>Intel® Pentium® N3710 2.56 GHz (Burst)/1.6 GHz (Base), QC, 2 MB L2 Cache, TDP 6W/SDP 4W Intel® Celeron® N3160 2.24 GHz (Burst)/1.6 GHz (Base), QC, 2 MB L2 Cache, TDP 6W/SDP 4W Intel® Celeron® N3060 2.48 GHz (Burst)/1.6 GHz (Base), DC, 1 MB L2 Cache, TDP 6W/SDP 4W Intel® Celeron® N3010 2.24 GHz (Burst)/1.04 GHz (Base), DC, 2 MB L2 Cache, TDP 4W /SDP 3W Intel® Atom™ X5-E8000 2.00 GHz (Burst) / 1.04 GHz (Base) , QC, 2MB L2 Cache TDP 5W / SDP 4W</p> <p>Supports: Intel® VT-x with extended Page Tables (EPT), Intel® 64 Architecture, Intel® AES-NI, Intel® Secure Key, Intel® Wireless Display, Integrated Intel® HD Graphics Gen 8</p>
Memory	2 x SO-DIMM Socket: DDR3L up to 8GByte (1600MT/s) dual channel memory
Chipset	Integrated SOC
Graphics	<p>Generation 8 Intel® HD Graphics with OpenCL 1.2, OpenGL 4.2 and DirectX11.1 support up to 3 independent displays with up to 4k resolution High performance hardware MPEG-2 decoding, WMV9 (VC-1) and H.265 (HEVC)</p>
Display Interfaces	<p>2x DDI (DP++, HDMI, DVI)/ up to 4k resolution 1 x VGA (opt.) 1 x Dual Channel 24 Bit LVDS up to 1920 x 1200 Pixel (optional eDP up to 4k resolution)</p>
Storage	Optional eMMC up to 32 GB
Ethernet	Intel® I211 GbE LAN Controller
I/O Interfaces	<p>4x USB 3.0 (XHCI) , 8 x USB 2.0 (EHCI), 2 x UART (COM1/2) 3x PCIe Gen 2.0 (5GT/s) 2 x SATA III (6Gb/s) LPC Bus / TPM1.2 / TPM2.0 / GPIOs / SMB 2.0 / I²C Bus SPI for onboard/external Flash Intel HD Audio MIPI-CSI (optional)</p>
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, Win 7 (32bit and 64bit), Win 8.X, Win Embedded 7 Standard (WES7), Win Embedded 8 Standard (WES8), Win Embedded Compact 7 (WEC7), Win Embedded Compact 2013 (WEC2013), Linux
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-COMC-BS6-N3710	12017762	COM Express Type 6 Compact module with Intel® Pentium® N3710
eDM-COMC-BS6-N3160	12017763	COM Express Type 6 Compact module with Intel® Celeron® N3160
eDM-COMC-BS6-N3060	12018842	COM Express Type 6 Compact module with Intel® Celeron® N3060
eDM-COMC-BS6-N3010	12018844	COM Express Type 6 Compact module with Intel® Celeron® N3010
eDM-COMC-BS6-E8000	12019730	COM Express Type 6 Compact module with Intel® Atom™ E8000

Accessories

eDM-COMC-BS6 -CH	12018845	Standard Cooling Heatspreader
eDM-COMC-BS6 -CP	12018846	Standard cooling solution passive

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