E3C236D2I

- Intel Xeon E3-1200 v5/v6 Series Processors
- Supports Dual channel DDR4 2133 ECC/NON-ECC UDIMM max 32 GB
- Support 6 SATA3 by C236
- Supports 1x PCIe 3.0 x16, 1x M.2 slot
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports Intel i210*1+Intel i219*1

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Specifications

MB Physical Status	
Form Factor	- Mini ITX
Dimensions	- 6.7" x 6.7" (17.02cm x17.02 cm)
Processor System	
CPU	- Intel® Xeon® E3-1200 v5/v6 Series Processors *BIOS version 2.0 or above is required for v4 series
Chipset	- Intel® C236
System Memory	
Capacity	- 2 x DDR4 DIMM slots
Type	- Dual Channel DDR4 memory technology - Supports DDR4 2400*/2133/1866/1600 ECC/non-ECC** UDIMM memory - Max. capacity of system memory: 32 GB (2 x 16GB Dual Rank DIMMs) *Only E3-1200 v6 CPUs can support DDR4 2400 **non-ECC UDIMM support Client OS only.
DIMM Size Per DIMM	- ECC UDIMM and non-ECC: 16GB, 8GB, 4GB
Voltage	- 1.2V
Expansion Slot	
PCIe 3.0 x 16	- 1 slot
M.2	- 1 slot (share with SATA0)
Storage	
SATA Controller	- C236: 6x SATA3 6Gb/s (SATA0 share with M.2 connector), support RAID 0, 1, 5, 10
Ethernet	
Interface	- Gigabit LAN 10/100/1000 Mb/s
LAN Controller	- 2 x RJ45 GLAN by Intel® i210+Intel® i219 - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE - LAN1 supports NCSI
Management	
BMC Controller	- ASPEED AST2400
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog - NMI

Graphics		
Controller	- ASPEED AST2400	
VRAM	- DDR3 16MB (ASPEED)	

Rear Panel I/O		
VGA Port	- 1 x D-Sub (From ASPEED AST2400)	
USB 2.0 Port	- 2	
USB 3.1 Gen1 Port	- 4	
Lan Port	- RJ45: 2x GLAN(by Intel® i210+Intel® i219) - LAN Ports with LED (ACT/LINK LED and SPEED LED)	
Dedicate LAN	- 1 x RJ45 Dedicated IPMI LAN port	
Serial Port	- 1 (COM1)	

Internal Connector		
M.2	- 1	
Auxiliary Panel Header	- 1 (includes chassis intrusion, location button & LED, front LAN LED, event log LED)	
TR1 Header	- 1	
TPM Header	- 1	
IPMB Header	- 1	
Fan Header	- 3(CPU/Front/Rear)	
ATX Power	- 1x (24-pin) + 1x (4-pin)	
USB 3.1 (Gen1) Header	- 1 (2 ports)	
Type A USB 3.1 (Gen1) Port	- 1	
PSU SMB Header	- 1	
NMI Button	- 1	
Speaker Header	- 1	
SGPIO Header	- 2	
PECI	- 1	
PMBUS Mode Jumpers	- 3	
SMBUS from BMC	- 1	
ME/SPS Recovery	- 1	
Clear CMOS	- 1 (short pin)	
PSU SMB Header	- 1	

System BIOS		
BIOS Type	- 128Mb AMI UEFI Legal BIOS	
BIOS Features	- Plug and Play (PnP) - ACPI 2.0 Compliance Wake Up Events - SMBIOS 2.8.0 Support - ASRock Rack Instant Flash	

Hardware Monitor		
Temperature	- CPU/PCH Temperature Sensing - MB/Card Side/TR1 Temperature Sensing	
Fan	- CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control	
Voltage	- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, VCCSA, VCCM, V1.0M, VCCIO, VCCST_SFR, VPPM, +BAT, 3VSB, ATX+5VSB	

Support OS		
OS	Microsoft® Windows® - Server 2008 R2 (64 bit) - Server 2012 (64 bit) - Server 2012 R2 (64 bit) - Server 2016 (64 bit) Linux - RedHat Enterprise Linux Server 6.6 (64 bit) / 7.0 (64 bit) - SUSE Enterprise Linux Server 11 SP3 (64 bit) / 12.0 (64 bit) - Ubuntu 15.04 (64 bit) / 15.10 (64 bit)	

Environment		
Temperature	- Operation temperature Range: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C	

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