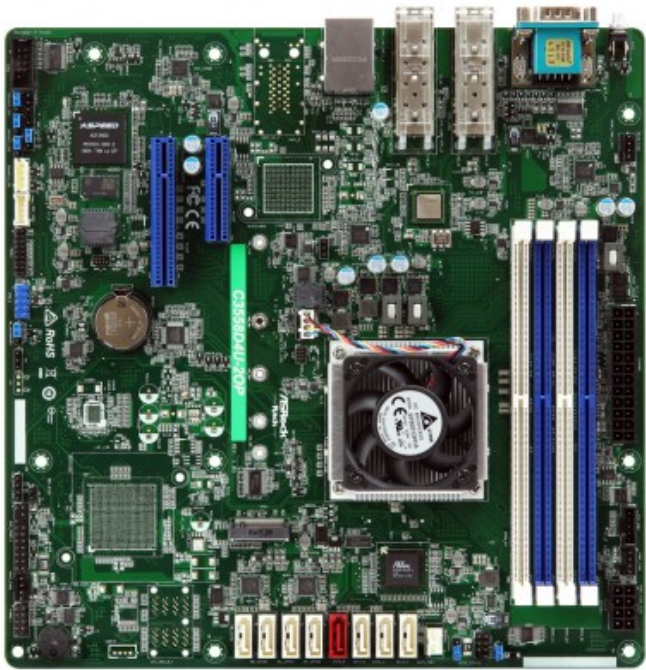


ASRock C3558D4U-20P, Intel Atom C3558, SoC, mATX 4xDIMM, SATA, 1xM.2, 2x10GbE SFP+, IPMI

Kod producenta: C3558D4U-20P



Category	Embedded
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Installed	Intel Atom C3558
# of CPU sockets	1
Chipset	System on Chip
Memory Type	DDR4 ECC RDIMM DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	2133 MHz 1866 MHz 1600 MHz
Max Memory Size	128
Integrated GPU	ASPEED AST2500
# of PCIe x4 3.0	1
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 2.0 (rear) 2 x USB 2.0 (header)
# of SATA Ports	6
# of SATA DOM power	1
# of 10GbE Ports	2 x SFP+
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 17-pin Header

C3558D4U-20P

- Intel Atom C3558
- Support DDR4 1600/1866/2133 Dual-channel Max. 128 GB ECC DIMM, UDIMM, RDIMM
- Intel C3558 : 4 x SATA3 6.0 Gb/s (PORT SATA_3 switch with M.2)
- 1 x PCI-E x8 slot + 1 x PCI-E x4 slot
- 2 x USB 2.0 ports
- Supports Supports 2 x SFP+ by Cortina CS4227
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)

Specyfikacja

Parametry płyty głównej

Wymiary	- 9.6" x 9.6" (24.4 cm x24.4 cm)
Procesor	
CPU	- Intel® Atom C3558 Series Processor: 4core, 16W
Socket	- SOC
Pamięć operacyjna	
Pojemność	- 4 x 288-pin DDR4 DIMM slots - Support up to 128GB DDR4 ECC RDIMM (32 GB w/8Gb DRAM) - Support up to 64GB DDR4 ECC/non-ECC UDIMM (16 GB w/8Gb DRAM)
Rodzaj	- Dual Channel DDR4 memory technology - Supports DDR4 ECC/non-ECC UDIMM, and ECC RDIMM
DIMM Size Per DIMM	- Non-ECC UDIMM :4GB, 8GB, 16GB - ECC UDIMM: 4GB, 8GB, 16GB - RDIMM: 4GB, 8GB, 16GB, 32GB
DIMM Frequency	- Non-ECC UDIMM: 1600/1866/2133MHz - ECC UDIMM: 1600/1866/2133MHz - RDIMM: 1600/1866/2133MHz
Napięcie	- 1.2V
Sloty rozszerzeń	
PCIe 3.0 x 8	- Slot6: Gen3 x8 link (option with LSI 3008)
PCIe 3.0 x 4	- Slot7: Gen3 x4 link
Magazynowanie	
Kontroler SATA	- Intel C3558 : 4 x SATA3 6.0 Gb/s (PORT SATA_3 switch with M.2)
Additional Storage Controller	- Marvell 9172 x2 for 4 port SATA3 6.0 Gb/s
Ethernet	
Interfejs	- Gigabit LAN 1000/10000 Mbps - 2 x 10G fiber, SFP+ by PCH CS4227
Kontroler LAN	- Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE - LAN1 Supports NCSI
Zarządzanie	
Kontroler BMC	- ASPEED AST2500 : IPMI (Intelligent Platform Management Interface) 2.0 with ikvm and vMedia support
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management LAN
Funkcje	- Watch Dog - NMI
Grafika	
Kontroler	- ASPEED AST2500
VRAM	- DDR4 4Gb
Wyjście	- Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz
Tylny panel I/O	
Port VGA	- D-sub x 1
Port USB 2.0	- 2

Port Lan	- 2 x 10G SFP+ Optical Fiber (CS4227) - 1 x RJ45 Dedicated IPMI LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Dedicate LAN	- RT8211E
Port szeregowy	- 1
UID Button/UID LED	- 1
Złącza wewnętrzne	
Port śledź COM	- 1
SATA DOM	- 1
M.2	- 1 (2230/2242/2260/2280/22110, PCIE(x4)/SATA)
Złącze panelu AUX	- 1 (include chassis intrusion, location button & LED, front LAN LED, event log LED)
Złącze TPM	- 1
Złącze IPMB	- 1
Brzęczyk	- 1
Złącze wentylatorów	- 4 X Fans(CPU/2Front/Rear)
ATX Power	- 1x (24-pin) + 2x (8-pin)
DC IN	- 1x (8-pin)
Złącze panelu USB 2.0	- 1
PSU SMB Header	- 1
NMI Button	- 1
Panel frontowy	- 1
BMC_SMB Header	- 1
SGPIO Header	- 1
ME/SPS Recovery	- 1
Clear CMOS	-1 (short pin)
Onboard LED	
Fan Fail LED	-4 (only Fan Fail LED)
BIOS	
Rodzaj BIOS	- 128Mb AMI UEFI Legal BIOS
Cechy BIOS	- Plug and Play (PnP) - ACPI 1.1 Compliance Wake Up Events - SMBIOS 2.3.1 Support - ASRock Instant Flash
Hardware Monitor	
Temperatura	- CPU/PCH/DDR/LAN/Storage Temperature Sensing - MB/Cool side/TP1 Temperature Sensing

Wentylator	- CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control
Napięcie	- Voltage Monitoring: +12V, 5V_AUX, 3.3V_AUX, CPU Vcore, DRAM, +1.05V, +1.8V, +BAT
Obsługiwane systemy	
System operacyjny	- Microsoft® Windows® - Server 2016 (64 bit) - Server 2012 (64 bit) - Server 2012 R2 (64 bit) - Linux - RedHat Enterprise Linux Server 7.4 (64 bit) - CentOS 7.3 (64 bit) - SUSE Enterprise Linux Server 12 SP3 (64 bit) - Fedora core 24 (64 bit) - Ubuntu 16.10/17.04 (64 bit) * Please refer to our website for the latest OS support list.
Środowisko	
Temperatura	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C *Install a CPU Fan when the airflow through the heatsink is below 2CFM.

Specyfikacja może ulec zmianie bez wcześniejszego powiadamiania. Marka i nazwy produktów są znakami towarowymi ich właścicieli. Działanie konfiguracji innych niż wynikające ze specyfikacji nie jest gwarantowane.

Strona firmowa produktu:

<https://www.superstorage.pl/asrock-c3558d4u-2op-intel-atom-c3558-soc-matx-4xdimm-sata-1xm2-2x10gbe-sfp-ipmi-p-4836.html>