

ASRock C3758D4U-2TP, Intel Atom C3758, SoC, mATX 4xDIMM, SATA, 1xM.2, 2x10GbE, IPMI

Kod producenta: C3758D4U-2TP



Category	Embedded
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Installed	Intel Atom C3758
# of CPU sockets	1
Chipset	System on Chip
Memory Type	DDR4 ECC RDIMM DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	4
Max Memory Size	128 GB
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	7
# of SATA DOM power	1
# of 10GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 17-pin Header

C3758D4U-2TP

- Intel Atom processor C3758
- Support DDR4 2133/2400 Dual-channel Max. 128 GB ECC DIMM, UDIMM, RDIMM
- 4 SATA3 6.0Gbps by C3758, 4 SATA3 6.0Gbps by Marvell 9172x2
- 1 x PCI-E x8 slot + 1 x PCI-E x4 slot
- 2 x USB 2.0 ports
- Supports Intel X557 + CS4227 by PCH
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)

Specyfikacja

Standard	- mATX
Wymiary	- 9.6" x 9.6" (24.4 cm x 24.4 cm)
Procesor	
CPU	- Intel® Atom C3758 Series Processor: 8core, 25W
Socket	- SOC
Pamięć operacyjna	
Pojemność	- 4 x 288-pin DDR4 DIMM slots - Support up to 128GB DDR4 ECC UDIMM (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: 1600/1866/2133/2400MHz - ECC UDIMM: 1600/1866/2133/2400MHz - RDIMM: 1600/1866/2133/2400MHz *Only C3758D4U-2TP supports DDR4 up to 2400.
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	- 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 Mb/s
Kontroler LAN	- 2 x RJ45 GLAN by Intel® X557 - Supports Wake-On-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 RJ45 Gigabit Ethernet LAN ports - 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/2xFront/Rear)
ATX Power	- 1x (24-pin)
DC IN	- 2x (8-pin)
Złącze panelu USB 2.0	- 2
PSU SMB Header	- 1
NMI Header	- 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/Card side/TR1 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.
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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-c3758d4u-2tp-intel-atom-c3758-soc-matx-4xdimm-sata-1xm2-2x10gbe-ipmi-p-4837.html>