

ASRock C3758D4I-4L, Intel Atom C3758, SoC, Mini-ITX, 4xDIMM, SATA, 4xGbE, IPMI

Kod producenta: C3758D4I-4L



Category	Embedded
Form Factor	mini-ITX
Dimensions	6.7" x 6.7"
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	256 GB
Integrated GPU	ASPEED AST2500
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.2 (rear) 2 x USB 2.0 (header)
# of SATA Ports	5
# of SATA DOM power	2
# of SAS Ports	2
# of 1GbE Ports	4 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 17-pin Header

C3758D4I-4L

- Intel Atom Processor C3758: 8core, 25W
- DDR4 1866/2133/2400 Dual-channel Max. 128 GB UDIMM, Non-ECC, ECC DIMM, RDIMM
- 12 SATA3 6.0Gbps + 1 SATA DOM by Intel Atom C3758
- 1 x PCI-E x4 slot

Specyfikacja

Parametry płyty głównej		
Standard	- Mini ITX	
Wymiary	6.7" x 6.7" (17.02 cm x 17.02 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 256GB DDR4 RDIMM (32 GB w/8Gb DRAM) - Support up to 64GB DDR4 UDIMM (16 GB w/8Gb DRAM)
Rodzaj	- Dual Channel DDR4 memory technology - Non-ECC, ECC UDIMM: 4GB, 8GB, 16GB - RDIMM: 4GB, 8GB, 16GB, 32GB
DIMM Size Per DIMM	- Dual Channel DDR4 memory technology - Non-ECC, ECC UDIMM: 4GB, 8GB, 16GB - LR/RDIMM: 4GB, 8GB, 16GB, 32GB, 64GB
DIMM Frequency	- Non-ECC UDIMM: 1600/1866/2133/2400MHz - ECC UDIMM: 1600/1866/2133/2400MHz - LR/RDIMM: 1600/1866/2133/2400MHz *Only C3758D4I-4Lsupports DDR4 up to 2400.
Napięcie	- 1.2V
Sloty rozszerzeń	
PCIe 3.0 x 8 - 1 x PCIe MEx8/ EE x8 (MAX x8 by BIOS setup)	
Magazynowanie	
Kontroler SATA	- 13 x SATA3 6.0 Gb/s: 5 x SATA3 ports (SATA_0, SATA_1, SATA_2, SATA_3 and SATA_12) and 8 x SATA ports from 2 mini SAS HD connectors (SATA_4_7 and SATA_8_11)
Ethernet	
Interfejs	- Gigabit LAN 10/100/1000 Mb/s
Kontroler LAN	- Marvell 88E1543(4L) - 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 Ikmv and vMedia support
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management LAN
Funkcje	- Watch Dog - NMI
Grafika	
Kontroler	- ASPEED AST2500
VRAM	- DDR4 64MB
Wyjście	- Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz
Tylne panel I/O	
Port VGA	- 1 x D-sub
Port USB 3.0	- 2

Port Lan	- 4 x RJ45 Gigabit Ethernet LAN ports - 1 x RJ45 Dedicated IPMI LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Port szeregowy	- 1
UID Button/UID LED	- 1
Złącza wewnętrzne	
Złącze panelu AUX LED)	- 1 (includes chassis intrusion, location button & LED, front LAN LED, and event log LED)
Złącze TPM	- 1
Złącze IPMB	- 1
Złącze wentylatorów	- 4 pins x4 (1CPU/2Front/1Rear)
ATX Power	- 1 (24-pin)
DC IN	- 1 (8-pin) 12v
Złącze panelu USB 2.0	- 1 (support 1 USB port or 2 USB ports on header. The port number controlled by USB_SEL1 and USB_SEL2 jumper)
Panel frontowy	- 1
SATA Power Connector	- 1 (4-pin)
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 - DRAM Voltage Multi-adjustment - 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 CPU Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control
Napięcie	- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, +BAT, 3VSB, 5VSB
Obsługiwane systemy	

System operacyjny	Microsoft® Windows®
	- Server 2016 (64 bit)
	- Server 2012 (64 bit)
	- Server 2012 R2 (64 bit)
	Linux
	- RedHat Enterprise Linux Server 6.8 (32 / 64 bit) / 7.2 (64 bit)
	- CentOS 6.8 (32 / 64 bit) / 7.2 (64 bit)
	- SUSE Enterprise Linux Server 11 SP4 (32 / 64 bit) / 12 SP1 (64 bit)
	- Fedora core 24 (64 bit)
	- Ubuntu 16.04 (64 bit) / 15.10 (64 bit) (AHCI mode)
Virtual	
	- VMWare® ESXi 6.0
* 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-c3758d4i-4l-intel-atom-c3758-soc-mini-itx-4xdimm-sata-4xgbe-ipmi-p-4835.html>