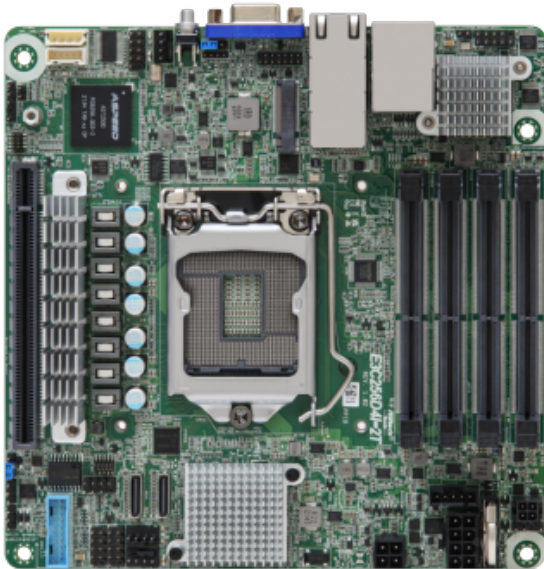


# ASRock E3C256D4I-2T, 1xSKT LGA1200, Intel E-2300, C256, 4xDIMM, SATA, 1xM.2, 2x10GbE, IPMI

Kod producenta: E3C256D4I-2T



Category	Server
Form Factor	mini-ITX
Dimensions	6.7" x 6.7"
CPU Socket	LGA 1200 (Socket H5)
# of CPU sockets	1
Supported CPU's	Intel Xeon E-2300 Intel Pentium 10th Gen
Chipset	C256
Memory Type	DDR4 ECC SODIMM DDR4 non-ECC SODIMM
Memory Speed	2933 MHz 2133 MHz
# of DIMM's	4
Max Memory Size	128 GB
Integrated GPU	ASPEED AST2500
# of PCIe x16 4.0	1
# of USB Ports	2 x USB 3.2 (rear) 2 x USB 3.2 (header)
Integrated RAID	0,1,5,10
# of 10GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM SPI 13-pin Header

## E3C256D4I-2T

- mini-ITX (6.7" x 6.7")
- Supports Intel® Xeon® E-2300 and 10th Gen Intel® Pentium® series processors
- 4 DIMM slots (2DPC), supports DDR4 ECC/non-ECC SODIMM
- 1 PCIe4.0 x16
- 2 OCuLink (PCIe3.0 x4 or 4 SATA 6Gb/s)
- Supports 1 M.2 (PCIe4.0 x4)
- 8 SATA 6Gb/s
- 2 RJ45 (10GbE) by Intel® X550
- Supports ATX PSU or 12V DC-in
- Remote Management (IPMI)

## Specyfikacja

<b>Parametry płyty głównej</b>	
Standard	mini-ITX
Wymiary	6.7" x 6.7" (170mm x 170mm)
<b>Procesor</b>	
CPU	Supports Intel® Xeon® E-2300 and 10th Gen Intel® Pentium® Series Processors
Socket	Single Socket H5 (LGA1200)
Chipset	Intel® C256
<b>Pamięć operacyjna</b>	
Pojemność	4 DIMM slots (2DPC)
Rodzaj	Supports DDR4 260-pin ECC/non-ECC SODIMM
DIMM Size Per DIMM	ECC/non-ECC SODIMM: up to 32GB
Max. DIMM Frequency	ECC/non-ECC SODIMM: max. 2933MHz (1DPC) / max. 2133MHz (2DPC) [TBD]
Napięcie	1.2V
<b>Sloty rozszerzeń</b>	
PCIe x 16	SLOT7: PCIe4.0* x16 [CPU] *SLOT7 supports PCIe3.0 only when installing 10th Gen Intel® Pentium® Series Processors
<b>Magazynowanie</b>	
Kontroler SATA	Intel® C256 (8 SATA 6Gb/s; RAID 0/1/5/10): 2 OCuLink
OCuLink for U.2	2 OCuLink (PCIe3.0 x4 or 4 SATA 6Gb/s) [PCH]
M.2 slot	1 M-key* (PCIe4.0x4); support 2280 form factor [CPU] *M.2 will not function when installing 10th Gen Intel® Pentium® Series Processors
<b>Ethernet</b>	
Additional GbE Controller	Intel® X550: 2 RJ45 (10GbE)
<b>Zarządzanie</b>	
Kontroler BMC	ASPEED AST2500
IPMI Dedicated GLAN	1 x Realtek RTL8211E for dedicated management GLAN
<b>Grafika</b>	
Kontroler	ASPEED AST2500
VRAM	DDR4 256MB
<b>Tylny panel I/O</b>	
Port VGA	1 DB15
Port USB 3.0	2 Type-A (USB3.2 Gen1)
Port Lan	2 RJ45 (10GbE)
UID Button/UID LED	1 button w/ LED
<b>Złącza wewnętrzne</b>	

Power Connector	1 (4-pin, ATX PSU signal) w/ ATX 24-pin adapter cable, 1 (8-pin, ATX 12V) support 12V DC-in
Port śledź COM	1
Złącze panelu AUX	1 (9-pin): chassis intrusion, system fault LED, LAN1/LAN2 activity LED, locate
Złącze TPM	1 (13-pin, SPI)
Złącze czujnika temperatury	1
Złącze IPMB	1
Złącze wentylatorów	3 (4-pin)
Other Power Connectors	1 (4-pin) for HDD power when using 12V DC-in power source
Złącze panelu USB 3.2 (Gen1)	1 (19-pin, 2 USB3.2 Gen1)
System Panel	1 (9-pin): power switch, reset switch, system power LED, HDD activity LED
BMC_SMB Header	1
SGPIO Header	2
Clear CMOS	1 (contact pads)
NC-SI	1 (9-pin)

### Onboard LED

Standby PWR LED	1
5vsb	
Fan Fail LED	3
BMC heartbeat LED	1

### BIOS

Rodzaj BIOS	AMI UEFI BIOS; 256 Mb (32MB) SPI Flash ROM
Cechy BIOS	Plug and Play, ACPI 6.2 compliance wake up events, SMBIOS 3.3, ASRock Rack instant flash

### Hardware Monitor

Temperatura	CPU,MB,TR1 sensing
Wentylator	Fan Tachomete, CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature), Multi-Speed Control
Napięcie	VCORE,VCCSA,VCCM,VCCST_SFR, 3.3V, 5V, 12V, +1.05V_PCH_AUX,+BAT, 3VSB, 5VSB,VCCIO,+2.5V_VPP

### Obsługiwane systemy

System operacyjny	Microsoft® Windows® : Server 2019 (64 bit) Server 2022 (64 bit)
	Linux : RedHat Enterprise Linux Server 8.4 (64 bit) / Server 8.2 (64 bit) CentOS 8.5 ( 64 bit) / 8.2 ( 64 bit) Ubuntu 20.10 (64 bit) / Ubuntu 21.04 (64 bit)
	Hypervisor : VMWare® ESXi 7.0U2a/ vSphere 7.0U2b VMWare® ESXi 7.0U3/ vSphere 7.0U3

\* Supports UEFI BOOT only.

### Środowisko

Temperatura	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% ( Non condensing)

Specyfikacja może ulec zmianie bez wcześniejszego powiadomienia. 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-e3c256d4i-2t-1xskt-lga1200-intel-2300-c256-4xdimm-sata-1xm2-2x10gbe-ipmi-p-5774.html>