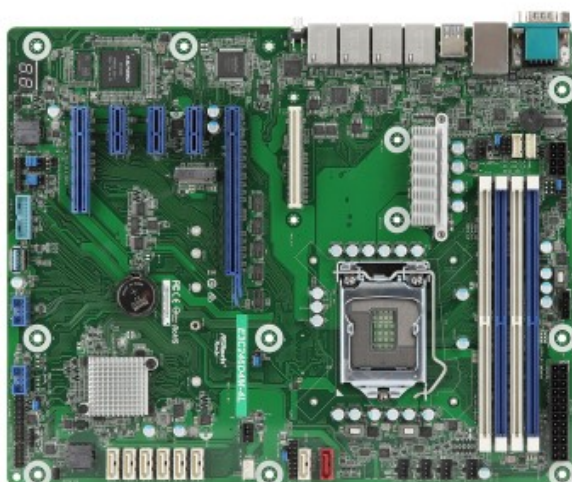


# ASRock E3C246D4M-4L, 1xSKT LGA1151, Intel E-2100/2200, C246, SATA, 1xM.2, 4xGbE, IPMI

Kod producenta: E3C246D4M-4L



Category

Server

## E3C246D4M-4L

- Supports Intel Xeon E-2100/E-2200 Processors (Max. 95W)
- Supports Dual channel DDR4 2666/2400 ECC and non-ECC U DIMM max 64 GB
- Support 8x SATA3 by C246/ 6x SATA3 by C242
- Supports 1 PCIe3.0 x16, 1 PCIe3.0 x8, 3 PCIe3.0 x1 (by C246)
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports Intel I210& i219LM

## Specyfikacja

### Parametry płyty głównej

Form Factor - ATX

Dimensions - 12" x 9.6" (305 mm x244 mm)

### Procesor

CPU - Supports Intel® Xeon® E-2100/E-2200 Processors

Chipset - Intel® C246

### Pamięć operacyjna

Capacity - 4 x 288-pin DDR4 DIMM slots  
- Support up to 128GB DDR4 ECC/non-ECC UDIMM

Type - Dual Channel DDR4 memory technology  
- Supports DDR4 2666/2400 ECC/non-ECC U DIMM

DIMM Size Per DIMM - ECC and non-ECC UDIMM : 4GB, 8GB, 16GB, 32GB

DIMM Frequency - ECC UDIMM: 2666/2400/2133 MHz  
- Non-ECC UDIMM: 2666/2400/2133 MHz

Voltage - 1.2V

## Sloty rozszerzeń

PCIe x 16	- SLOT6: PCIe3.0 x16, auto switch to x8 when Mezz slot is populated
PCIe x 8	- SLOT2: PCIe x8 (PCIe3.0 x4)
PCIe x 1	- SLOT5: PCIe3.0 x1 - SLOT4: PCIe3.0 x1 - SLOT3: PCIe3.0 x1
Mezzanine slot	- 1 (shared with Slot6), supports M350, M540, M599, M710

## Magazynowanie

SATA Controller	-C246: 8x SATA3 6Gb/s (SATA0-7, SATA0 support support SATA DOM, and share with M.2(PCIE3.0(X4))/ SATA3 6Gb/s), support RAID 0, 1, 5, 10
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## Ethernet

Interface	- 1000 /100 /10 Mbps
LAN Controller	- 3 x RJ45 GLAN by Intel® i210 - 1 x RJ45 GLAN by Intel® i219 - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function(TBD) - Supports PXE - LAN2 supports NCSI

## Zarządzanie

BMC Controller	- ASPEED AST2500
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog - NMI

## Grafika

Controller	- ASPEED AST2500
VRAM	- DDR4 16MB

## Tylny panel I/O

PS/2 KB/Mouse	- N/A
HDMI	- N/A
VGA Port	- 1 x D-Sub
USB 2.0 Port	- N/A
USB 3.2 Gen2 Port	- 4(GEN2)
Lan Port	- 4 +1 RJ45 Gigabit Ethernet LAN ports - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Serial Port	- 1
UID Button/UID LED	- 1

## Złącza wewnętrzne

COM Header	- N/A
SATA DOM	- 1(SATA 0, share with M.2)
M.2	- 1 (2230/2242/2260/2280, Supports PCIE3.0(X4)/SATA3)

Auxiliary Panel Header	- 1 (include chassis intrusion, location button & LED, front LAN LED, event log LED, FSMB)
TR1 Header	- 1
TPM Header	- 1
IPMI Header	- 1
Buzzer	- 1
Fan Header	- 6 (1xCPU/4xFront/1xRear)
ATX Power	- 1x (24-pin) + 1x (8-pin)
USB 3.2 (Gen1) Header	- 1 (support 2 USB 3.0, by bom option for 2 port USB3.0 or 1 port USB3.0) * when 2 port USB 3.0, 1port USB 2.0 Type A * when 1 port USB 3.0, 1port USB 3.0 Type A
USB 2.0 Header	- 2 (support 4 USB 2.0)
Type A USB 3.2 (Gen1) Port	- 1 (by bom option for USB3.0 or USB2.0) * when USB 2.0 Type Ax1, USB 3.0 headerx 2 port * when USB 3.0 Type Ax1, USB 3.0header x1 port
PWR SMB Header	- 1
NMI Button	- 1 (Header)
Front Panel	- 1 (RST, PWRBTN, HDDLED, PWRLED)
Speaker Header	- 1(4pin)
SGPIO Header	- 2
SMBUS from BMC	- 1
ME/SPS Recovery	- 1
Clear CMOS	- 1 (short pin)
<b>Onboard LED</b>	
80 Debug Port LED	- 1
Fan Fail LED	- 6 (only Fan Fail LED)
<b>System BIOS</b>	
BIOS Type	- 256Mb 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
<b>Hardware Monitor</b>	
Temperature	- CPU Temperature Sensing - System Temperature Sensing - MB / Card Side Temperature Sensing - 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, VCCM, VCCIO, VCCSA, VCCST\_SFR, V1.0M, 3VSB, 5VSB, VBAT

### Obsługiwane systemy

OS

- Microsoft® Windows®
  - Server 2012 R2 (64 bit)
  - Server 2016 (64 bit)
  - Server 2019 (64 bit)
- Linux
  - RedHat Enterprise Linux Server 6.4 (64 bit) / 6.9 (64 bit) / 7.4 (64 bit)
  - SUSE Enterprise Linux Server 11 SP4 (64 bit) / 12 SP3 (64 bit)
  - Ubuntu 16.04 (64 bit) / 18.04 (64 bit)
- Virtual
  - VMWare® ESXi 6.5 u1
  - Win hyper-V Server 2016

### Środowisko

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

The specification is subject to change without notice in advance. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

Strona firmowa produktu:

<https://www.superstorage.pl/asrock-e3c246d4m-4l-1xskt-lga1151-intel-21002200-c246-sata-1xm2-4xgbe-ipmi-p-5106.html>