

# ASRock E3C246D4U2-2L2T, 1xSKT LGA1151, Intel E-2100/2200, C246, SATA, 1xM.2, 2xGbE, 2x10GbE, IPMI

Kod producenta: E3C246D4U2-2L2T



|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Category            | Workstation                                                  |
| Form Factor         | Micro-ATX                                                    |
| Dimensions          | 9.6" x 9.6"                                                  |
| CPU Socket          | LGA 1151 (Socket H4)                                         |
| # of CPU sockets    | 1                                                            |
| Supported CPU's     | Intel Xeon E-2100<br>Intel Xeon E-2200                       |
| Chipset             | C246                                                         |
| Memory Type         | DDR4 ECC UDIMM<br>DDR4 non-ECC UDIMM                         |
| Memory Speed        | 2666 MHz<br>2400 MHz<br>2133 MHz                             |
| # of DIMM's         | 4                                                            |
| Max Memory Size     | 128 GB                                                       |
| Integrated GPU      | ASPEED AST2500                                               |
| # of PCIe x16 3.0   | 1                                                            |
| # of PCIe x4 3.0    | 1                                                            |
| # of PCIe x8 3.0    | 1                                                            |
| # of USB Ports      | 4 x USB 3.2 (rear)<br>2x USB 3.2 (header)<br>2 x 2.0(header) |
| # of SATA Ports     | 8                                                            |
| # of SATA DOM power | 1                                                            |
| # of 10GbE Ports    | 2 x RJ45                                                     |
| # of 1GbE Ports     | 2 x RJ45                                                     |
| Integrated BMC      | IPMI Dedicated RJ45                                          |
| BMC chip            | ASPEED AST2500                                               |
| TPM                 | 1 x TPM 2.0 17-pin Header                                    |

## E3C246D4U2-2L2T

- Supports Intel Xeon E-2100/E-2200 Series Processors
- Supports Dual channel DDR4 2666/2400 ECC UDIMM
- Support 6 x SATA3, 1x M.2 by C246
- Supports 1 PCIe3.0 x16, 1 PCIe3.0 x8, 1 PCIe3.0 x4, 1 PCIe3.0 x1
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports 2x10G base-T by Intel X550-AT2& 2x GLAN by Intel i210

# Specyfikacja

| Parametry płyty głównej |                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard                | - mATX                                                                                                                                                                                                                                                                                         |
| Wymiary                 | - 9.6" x 9.6" (244 mm x244 mm)                                                                                                                                                                                                                                                                 |
| Procesor                |                                                                                                                                                                                                                                                                                                |
| CPU                     | - Supports Intel® Xeon® E-2100/E-2200 Series Processor                                                                                                                                                                                                                                         |
| Chipset                 | - Intel® C246                                                                                                                                                                                                                                                                                  |
| Pamięć operacyjna       |                                                                                                                                                                                                                                                                                                |
| Pojemność               | - 4 x 288-pin DDR4 DIMM slots<br>- Support up to 128GB DDR4 ECC/non-ECC UDIMM                                                                                                                                                                                                                  |
| Rodzaj                  | - Dual Channel DDR4 memory technology<br>- Supports DDR4 2666/2400 ECC/non-ECC U DIMM                                                                                                                                                                                                          |
| DIMM Size Per DIMM      | - ECC and non-ECC UDIMM : 4GB, 8GB, 16GB, 32GB                                                                                                                                                                                                                                                 |
| DIMM Frequency          | - Non-ECC UDIMM: 2666/2400/2133 MHz<br>- ECC UDIMM: 2666/2400/2133 MHz                                                                                                                                                                                                                         |
| Napięcie                | - 1.2V                                                                                                                                                                                                                                                                                         |
| Sloty rozszerzeń        |                                                                                                                                                                                                                                                                                                |
| PCIe x 16               | - SLOT6: PCIe3.0 x16, auto switch to x8 when SLOT4 is occupied [CPU]                                                                                                                                                                                                                           |
| PCIe x 8                | - SLOT4: PCIe3.0 x8 [CPU]                                                                                                                                                                                                                                                                      |
| PCIe x 4                | - SLOT5: PCIe3.0 x4 [PCH]* *Only supported for E3C246D4U2-2L2T                                                                                                                                                                                                                                 |
| PCIe x 1                | - SLOT7: PCIe3.0 x1 [PCH]                                                                                                                                                                                                                                                                      |
| Magazynowanie           |                                                                                                                                                                                                                                                                                                |
| Kontroler SATA          | - 8 x SATA3 6Gb/s (SATA0-7, SATA_0 supports SATA DOM)<br>- 7 x SATA3 6Gb/s (SATA1-7) and 1 x M.2 SSD SATA connected*<br><br>*The M.2 slot (M2_1) is shared with the SATA_0 connector. When M2_1 is populated with a M.2 SATA3 module, the Pin 7 of SATA_0 is disabled.                         |
| Ethernet                |                                                                                                                                                                                                                                                                                                |
| Interfejs               | - 10000/1000 /100 Mbps                                                                                                                                                                                                                                                                         |
| Kontroler LAN           | - 2 x RJ45 GLAN by Intel® i210<br>- 2 x RJ45 10G base-T by Intel® X550-AT2<br><br>- 1 x RJ45 Dedicated IPMI LAN port by RTL8211E<br>- Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az<br>- Supports Dual LAN with Teaming function<br>- Supports PXE<br>- LAN1 supports NCSI |
| Zarządzanie             |                                                                                                                                                                                                                                                                                                |
| Kontroler BMC           | - ASPEED AST2500                                                                                                                                                                                                                                                                               |
| IPMI Dedicated GLAN     | - 1 x Realtek RTL8211E for dedicated management GLAN                                                                                                                                                                                                                                           |
| Funkcje                 | - Watch Dog<br>- NMI                                                                                                                                                                                                                                                                           |
| Grafika                 |                                                                                                                                                                                                                                                                                                |
| Kontroler               | - ASPEED AST2500                                                                                                                                                                                                                                                                               |

|                              |                                                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| VRAM                         | - DDR4 16MB                                                                                                                                           |
| <b>Tylny panel I/O</b>       |                                                                                                                                                       |
| HDMI                         | - 1                                                                                                                                                   |
| Port VGA                     | - 1 x D-Sub                                                                                                                                           |
| Port USB 3.0                 | - 2                                                                                                                                                   |
| Port USB 3.2                 | - 2                                                                                                                                                   |
| Port Lan                     | - 2x RJ45: 10GbE by Intel® X550-AT2<br>- 2x RJ45: 1GbE by Intel® i210<br>- 1x IPMI dedicated LAN<br>- LAN Ports with LED (ACT/LINK LED and SPEED LED) |
| Port szeregowy               | - 1                                                                                                                                                   |
| UID Button/UID LED           | - 1                                                                                                                                                   |
| <b>Złącza wewnętrzne</b>     |                                                                                                                                                       |
| SATA DOM                     | - 1 (shared with M.2)                                                                                                                                 |
| M.2                          | - (2230/2242/2260/2280, Supports PCIE3.0(X4)/SATA3)                                                                                                   |
| Złącze panelu AUX            | - 1 (includes chassis intrusion, location button & LED, and front LAN LED)                                                                            |
| TR1                          | - 1                                                                                                                                                   |
| Złącze TPM                   | - 1                                                                                                                                                   |
| Złącze IPMB                  | - 1                                                                                                                                                   |
| Brzęczyk                     | - 1                                                                                                                                                   |
| Złącze wentylatorów          | - 6(1CPU/3Front/2Rear)                                                                                                                                |
| ATX Power                    | - 1x (24-pin) + 1x (8-pin)                                                                                                                            |
| Złącze panelu USB 3.2 (Gen1) | - 1 (supports 2 USB 3.1 Gen1 ports)                                                                                                                   |
| Złącze panelu USB 2.0        | - 1 (supports 2 USB 2.0 ports)                                                                                                                        |
| PSU SMB Header               | - 1                                                                                                                                                   |
| Panel frontowy               | - 1 (RST, PWRBTN, HDDLED, PWRLED)                                                                                                                     |
| BMC_SMB Header               | - 1                                                                                                                                                   |
| SGPIO Header                 | - 2                                                                                                                                                   |
| ME/SPS Recovery              | - 1                                                                                                                                                   |
| Clear CMOS                   | - 1 (header and short pin)                                                                                                                            |
| <b>Onboard LED</b>           |                                                                                                                                                       |
| Port 80 LED                  | - 1                                                                                                                                                   |
| Fan Fail LED                 | - 6 (Header)                                                                                                                                          |
| <b>BIOS</b>                  |                                                                                                                                                       |
| Rodzaj BIOS                  | - 256 Mb AMI UEFI Legal BIOS                                                                                                                          |

|                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cechy BIOS                 | <ul style="list-style-type: none"> <li>- Plug and Play (PnP)</li> <li>- ACPI 2.0 Compliance Wake Up Events</li> <li>- SMBIOS 2.8.0 Support</li> <li>- ASRock Rack Instant Flash</li> </ul>                                                                                                                                                                                    |
| <b>Hardware Monitor</b>    |                                                                                                                                                                                                                                                                                                                                                                               |
| Temperatura                | <ul style="list-style-type: none"> <li>- CPU/PCH/DDR/LAN/Storage Temperature Sensing</li> <li>- MB/Card side/TR1 Temperature Sensing</li> </ul>                                                                                                                                                                                                                               |
| Wentylator                 | <ul style="list-style-type: none"> <li>- CPU/Rear/Front Fan Tachometer</li> <li>- CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature)</li> <li>- CPU/Rear/Front Fan Multi-Speed Control</li> </ul>                                                                                                                                                         |
| Napięcie                   | - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, 1.05V_PCH, +BAT, 3VSB, 5VSB                                                                                                                                                                                                                                                                                          |
| <b>Obsługiwane systemy</b> |                                                                                                                                                                                                                                                                                                                                                                               |
| System operacyjny          | Microsoft® Windows® <ul style="list-style-type: none"> <li>- Server 2016 (64 bit)</li> <li>- Server 2019 (64 bit)</li> </ul> Linux <ul style="list-style-type: none"> <li>- RedHat Enterprise Linux Server 6.9 (64 bit) / 7.4 (64 bit)</li> <li>- SUSE Enterprise Linux Server 12 SP1 (64 bit) / 12 SP3 (64 bit)</li> <li>- Ubuntu 15.10 (64 bit) / 16.04 (64 bit)</li> </ul> |
| <b>Środowisko</b>          |                                                                                                                                                                                                                                                                                                                                                                               |
| Temperatura                | Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C                                                                                                                                                                                                                                                                                                  |

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-e3c246d4u2-2l2t-1xskt-lga1151-intel-21002200-c246-sata-1xm2-2xgbe-2x10gbe-ipmi-p-5107.html>