

BK1700-MITX-R680E

## Industrial microATX Motherboard with Intel® Core™ CPU (14th/13th/12th Gen), DDR4, Dual 10GbE LAN FEATURES

Supports Intel® Core™ CPUs (14th/13th/12th Gen), LGA 1700 socket  
4 x DDR4 UDIMM, up to 128GB ECC/Non-ECC memory  
Quad Display support: VGA, 2x DP++, HDMI 2.0a (4K resolution supported)  
LAN Connectivity: 2x 10GbE ports + 2x 2.5GbE ports  
Expansion slots: 1x PCIe x16 (Gen5), 2x PCIe x4 (Gen4), 1x PCIe x4 (Gen3)  
M.2 slots: 2x M.2 2242/2260/2280 M-Key (NVMe/SATA), 1x M.2 2230 E-Key (Wi-Fi/BT)  
Storage: 4x SATA III ports (RAID 0/1/5/10)  
Rich I/O: 2x COM (RS-232/422/485), 6x USB 3.2 Gen2, 4x USB 3.2 Gen1, 3x USB 2.0  
Audio: Realtek ALC888 codec, Line-out, Mic-in, optional Line-in  
Operating Temperature: -5°C to 65°C  
Form Factor: microATX (244 x 244 mm)  
ATX Power connectors: 24-pin + 8-pin (12V)



## SPECIFICATIONS

|                 |   |                                                                            |
|-----------------|---|----------------------------------------------------------------------------|
| CPU             | : | Intel® Core™ 14th/13th/12th Gen CPUs (LGA 1700)                            |
| Digital I/O     | : | 8-bit DIO                                                                  |
| USB             | : | 6x USB 3.2 Gen2 4x USB 3.2 Gen1 3x USB 2.0                                 |
| Serial          | : | 2x COM (RS-232/422/485)                                                    |
| LAN             | : | 2x 10GbE LAN ports (Intel X550-AT2), 2x 2.5GbE LAN ports (Intel I226-LM/V) |
| Operating Temp. | : | -5°C to 65°C                                                               |
| Lyd             | : | Realtek ALC888 Codec, Line-out, Mic-in, optional Line-in                   |
| PCI Express     | : | 1x PCIe x16 (Gen5) 2x PCIe x4 (Gen4) 1x PCIe x4 (Gen3)                     |
| RAM             | : | 4x DDR4 UDIMM, up to 128GB (ECC/Non-ECC), 3200 MHz                         |
| Dimensioner     | : | microATX (244 x 244 mm)                                                    |
| Certification   | : | CE, FCC Class B, RoHS, UKCA                                                |

