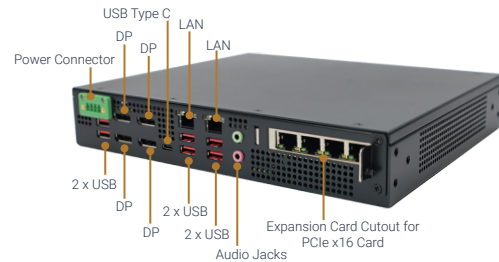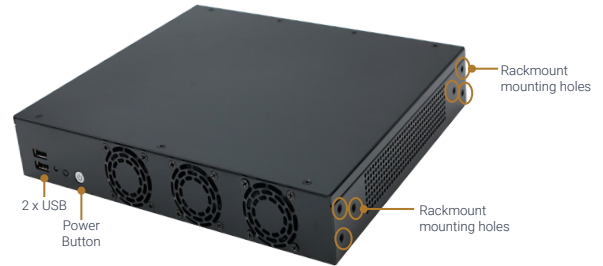# BI285-680RD

1U Barebone Computer with MX680RD Mini ITX, Expansion Card cutout for PCIe x16 card

Features

- Motherboard: MX680RD Mini ITX Motherboard Inside
- LGA 1700 socket supports 13th Gen Intel® Raptor Lake Intel® Core™ i9/i7/i5/i3 Processor
- Intel® Integrated UHD Graphic with Xe Architecture (CPU Dependent)
- Intel® R680E PCH, x4 Gen4 DMI
- 2 x SODIMM sockets support Dual Channel DDR5 4800MHz up to 64GB with ECC support
- 4 x DP++
- 6 x USB 3.2 Gen 2x1 Type-A (Rear I/O)
- 2 x USB 2.0 or 3.2 Gen 2x1 (Front I/O)
- 1 x USB 3.2 Gen 2x2 Type-C
- 2 x Intel® I225-V 2.5GbE LAN
- Phoenix Type Power Connector
- Slim 1U Chassis: 10" (W) x 8.86" (D) x 1.83" (H)
- One expansion card cutout for PCIe cards
- Please note: the 4-LAN PCIe card shown in the photo is not included

Specifications

System

Motherboard	MX680RD Mini-ITX
CPU	LGA 1700 socket supports 12th Gen Intel® Alder Lake/13th Gen Intel® Raptor Lake Intel® Core™ i9/i7/i5/i3, Pentium, Celeron Processors
System Chipset	Intel® R680E PCH
DMI	x8 Gen4 DMI
System Memory	2 x SODIMM sockets support Dual Channel DDR5 4800MHz up to 64GB with ECC support
BIOS	AMI uEFI BIOS, 256Mb SPI Flash ROM
Chipset	Intel® Integrated UHD Graphic with Xe Architecture (CPU Dependent)
Ethernet	LAN 1: Intel® I225-LM 2.5 Gigabit Ethernet Controller LAN 2: Intel® I225-LM 2.5 Gigabit Ethernet Controller
Audio	Realtek HD Audio
Expansion	1 x M.2 M-Key 2242/2280 NVMe (PCIe x4 + SATA III) 1 x M.2 E-Key 2230 with CNVi Support (PCIe x 1 + USB 2.0)
TPM	TPM 2.0
OS Support	Windows 10, Windows 11, Linux

I/O - Front

USB	2 x USB 2.0 or 3.2 Gen 2x1
Power	1 x Power Button with LED
Other	1 x Reset Switch

I/O - Rear

Display	4 x DP++
USB	6 x USB 3.2 Gen 2x1 Type-A 1 x USB 3.2 Gen 2x2 Type-C
LAN	2 x RJ45
Audio	Line-out, Mic-in
Power Connector	1 x 4-pin Phoenix Type Power Connector
Expansion Card Cutout	One expansion card cutout slot for PCIe cards Please note: the 4-LAN PCIe card shown in the photo is not included

Power Requirement

Requirement	12V-24V Wide Range
Adapter	Input: 100~240 Vac/50~60Hz Output: 200W Adapter (24V @ 8.33A)

Mechanical and Environment

Operating Temp	0°C ~ 35°C (32°F ~ 95°F)
Storage Temp	-20°C ~ 80°C (-4°F ~ 176°F)
Operating Humidity	10% ~ 86% Relative Humidity, Non-condensing
Certification	CE, FCC Class A, RoHS Compliant
Dimensions	10" W x 8.86" D x 1.83" H (254mm W x 225.060mm D x 46.53mm H)
Weight	4.25 lbs

Ordering Info

BI285-680RD	Barebone Computer with MX680RD Mini ITX inside. 1 x expansion card couout for PCIe card. PCIe card is NOT included. Power Adapter included.