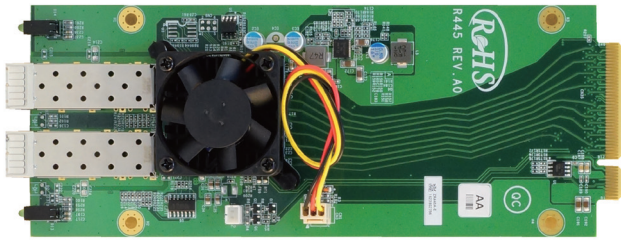


R445

Network Expansion Module



► Features

- 1x Intel® X710-BM2
- 2x 10GbE SFP+ Ports
- Support VMDq, SR-IOV, DDP, DPDK



► Introduction

AEWIN R445 Network Expansion Module is built upon the Intel® X710-BM2 chipset, featuring 2x 10GbE SFP+ ports. SR-IOV functionality is enabled to offer DMA access for virtual machines, as well as DPDK enabled drivers for enhanced packet forwarding performance.

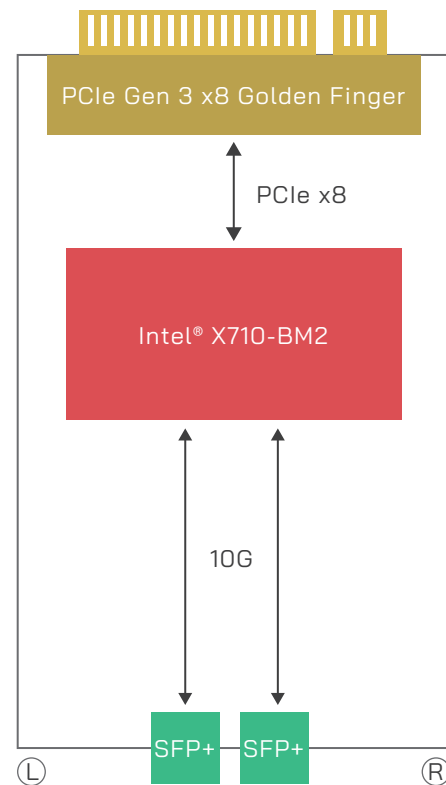
► Specification

Platform	
Form Factor	AEWIN Expansion Module
LAN Controller	1x Intel® X710-BM2
LAN Switch	-
Features	VMDq, SR-IOV, DDP, DPDK
Ethernet Port	2x 10GbE SFP+ Ports
Bypass	-
Bus Type	PCIe Gen 3 x8
Mechanical	Dimension(W x D x H): 74 x 194 x 29 mm Weight(with tray): 307g Weight(without tray): 117g
Environmental	
Operating Environment	Temperature: 0-45°C(32-113°F) Humidity: 20-90% RH
Storage Environment	Temperature: 0 -70°C(14-158°F) Humidity: 5-95% RH @ 55°C
OS Support	Windows, Linux, FreeBSD

► Order Information

R445B	1x Intel® X710-BM2, 2x 10GbE SFP+ Fiber w/o Re-driver, Ports Sequence Right to Left
R445BL	1x Intel® X710-BM2, 2x 10GbE SFP+ Fiber w/o Re-driver, Ports Sequence Left to Right

► Block Diagram



► LED



LED	State	Description
Upper LAN LED (LNK/ACT)	Green ■	Link: Always on Active: Blinking
Down LAN LED (Speed)	Green ■	10 Gbps data rate