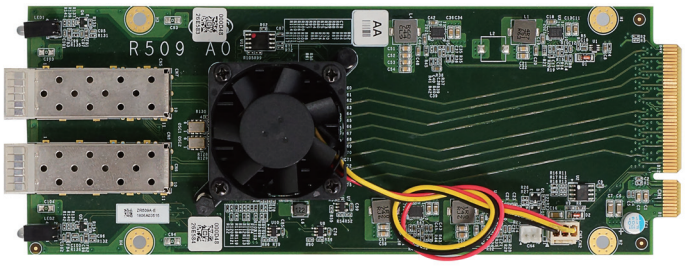
R509

Network Expansion Module



Features

- 1x Intel® XXV710-AM2
- 2x 25GbE SFP28 Ports
- Support VMDq, SR-IOV, DDP, DPDK

SFP28 Efficacy

Introduction

AEWIN R509 Network Expansion Module is built upon the Intel® XXV710 chipset, featuring 2x 25GbE SFP28 ports. SR-IOV functionality is enabled to offer DMA access for virtual machines, as well as DPDK enabled drivers for enhanced packet forwarding performance.

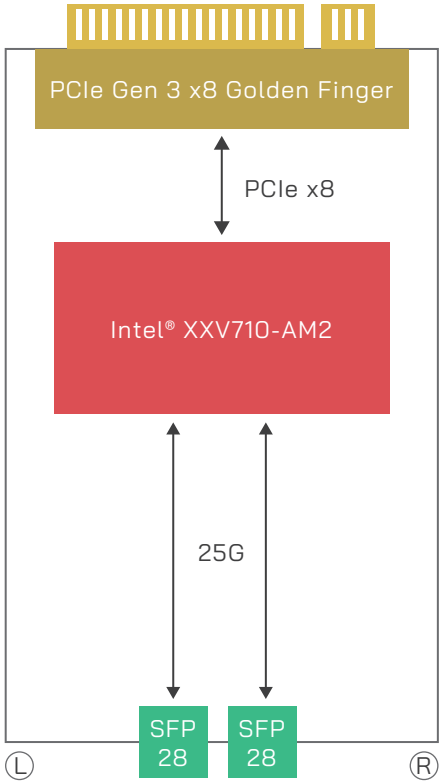
Specification

Platform	
Form Factor	AEWIN Expansion Module
LAN Controller	1x Intel® XXV710-AM2
LAN Switch	-
Features	VMDq, SR-IOV, DDP, DPDK
Ethernet Port	2x 25GbE SFP28 Ports
Bypass	-
Bus Type	PCIe Gen 3 x8
Mechanical	Dimension(W x D x H): 74 x 194 x 29 mm Weight(with tray): 302g Weight(without tray): 112g
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

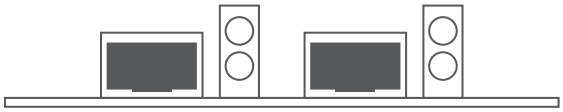
Order Information

R509A	1x Intel® XXV710-AM2, 2x 25GbE SFP28 Fiber, Ports Sequence Right to Left

Block Diagram



LED



LED	State	Description
Upper LAN LED (LNK/ACT)	Green	Link: Always on Active: Blinking
Down LAN LED (Speed)	Green	25 Gbps data rate