

R671

Network Expansion Module



► Features

- 1x Intel® E810
- 1x or 2x 100GbE QSFP28 Ports
- Support ADQ, DDP, DPDK, RDMA, SR-IOV, VMDq



► Introduction

AEWIN R671 Network Expansion Module is built upon the Intel® E810-CAM2 chipset, featuring 2x 100GbE QSFP28 ports. Also available in 1x port version with E810-CAM1. SR-IOV functionality is enabled to offer DMA access for virtual machines, as well as DPDK enabled drivers for enhanced packet forwarding performance. Advanced function such as ADQ, iWARP and RoCE v2 are also available. Capable of supporting PCIe Gen 4 x8 connection, or utilizing an add-on module to enable PCIe Gen 3 x16 connection to support 100GbE in PCIe Gen 3 systems.

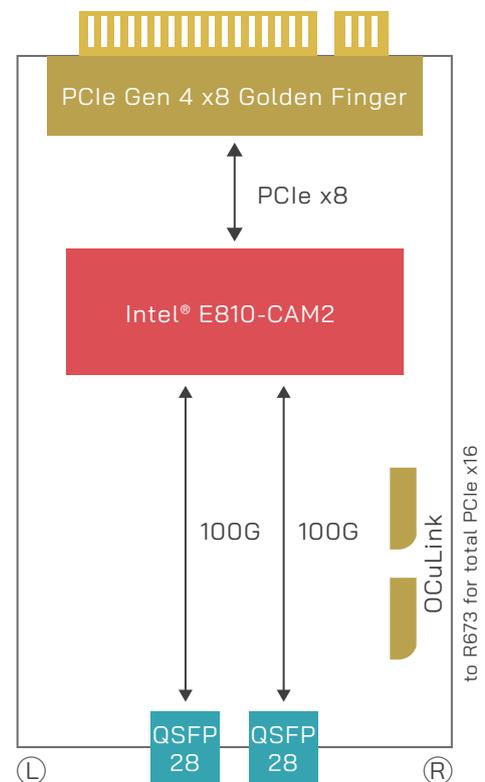
► Specification

Platform	
Form Factor	AEWIN Expansion Module
LAN Controller	1x Intel® E810
LAN Switch	-
Features	ADQ, DDP, DPDK, RDMA, SR-IOV, VMDq
Ethernet Port	1x or 2x 100GbE QSFP28 Ports
Bypass	-
Bus Type	PCIe Gen 4 x8
Mechanical	Dimension(W x D x H): 74 x 194 x 29 mm Weight(with tray): 328g Weight(without tray): 155g
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

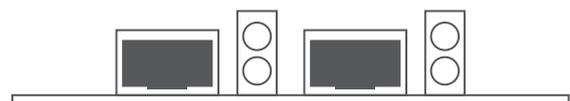
► Order Information

R671A	1x Intel® E810-CAM2, 2x 100GbE QSFP28 Fiber, Ports Sequence Right to Left
R671B	1x Intel® E810-CAM1, 1x 100GbE QSFP28 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 ■	100 Gbps data rate
	Yellow ■	below 100 Gbps data rate

R671+R673

► Introduction

R673 Interface expansion card. It utilizes 2x OCuLink connectors to add additional PCIe x8 signal for the host card.



► Block Diagram

