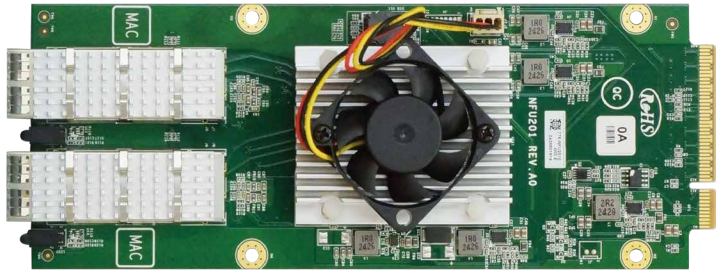# NFU201AL

► Features

- 1x Intel® E830
- 2x 100GbE QSFP28 Ports
- PCI Express Gen5 x8
- Support DDP, DPDK, VMDq, SR-IOV

► Introduction

AEWIN NFU201AL Network Expansion Module is built upon the Intel® E830-CCAM1 chipset, featuring 2x 100GbE QSFP28 ports. SR-IOV functionality is enabled to offer DMA access for virtual machines, as well as DPDK enabled drivers for enhanced packet forwarding performance. Capable of supporting PCIe Gen5 x8 connection.
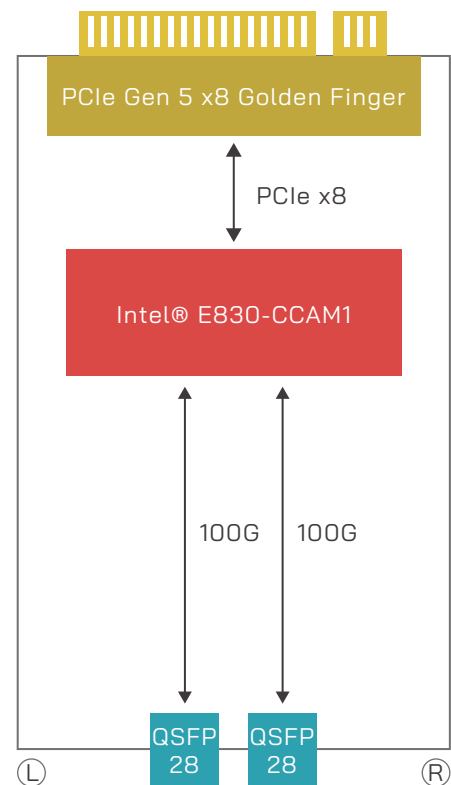
► Specification

Platform	
Form Factor	AEWIN Expansion Module
LAN Controller	1x Intel® E830-CCAM1
LAN Switch	-
Features	DDP, DPDK, VMDq, SR-IOV
Ethernet Port	2x 100GbE QSFP28 Ports
Bypass	-
Bus Type	PCIe Gen5 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

NFU201AL
1x Intel® E830-CCAM1
2x 100GbE QSFP28 Fiber
Ports Sequence Left to Right

► Block Diagram

PCIe Gen 5 x8 Golden Finger

PCIe x8

Intel® E830-CCAM1

100G   100G

Ⓛ   QSFP 28   QSFP 28   Ⓡ

► LED

LED	State		Description
LNK/ACT	Green	🟩	Link: Solid on Active: Blinking
Speed	Green	🟩	Max. speed: Solid green
	Yellow	🟨	Low speed: Solid yellow