

R434

Network Expansion Module



► Features

- 2x Intel® I350-AM4
- 4x 1GbE RJ45 Ports + 4x 1GbE SFP Ports
- 2 Pairs Gen 3 Bypass
- Support VMDq, SR-IOV



► Introduction

AEWIN R434 Network Expansion Module is built upon the venerable Intel® I350-AM4 chipset, featuring 4x 1GbE RJ45 plus 4x 1GbE SFP ports powered by 2x I350 onboard. Available with 2 Pairs Bypass ports to fit into different networking requirements. SR-IOV functionality is enabled to offer DMA access for virtual machines.

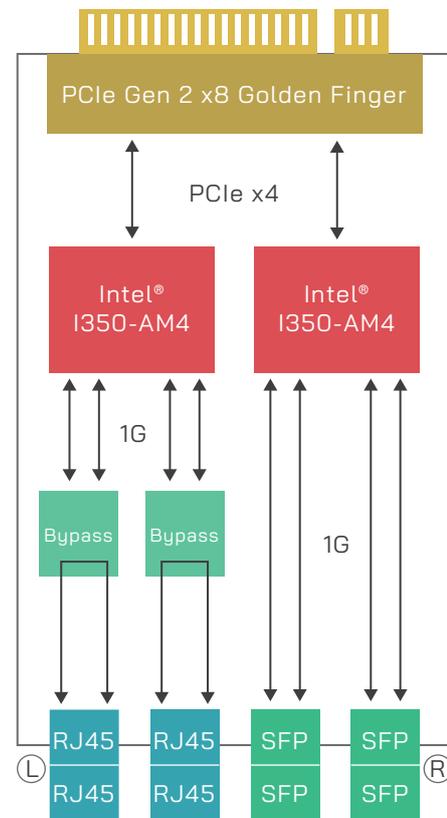
► Specification

Platform	
Form Factor	AEWIN Expansion Module
LAN Controller	2x Intel® I350-AM4
LAN Switch	-
Features	VMDq, SR-IOV
Ethernet Port	4x 1GbE RJ45 Ports 4x 1GbE SFP Ports
Bypass	2 Pairs Gen 3 Bypass
Bus Type	PCIe Gen 2 x8
Mechanical	Dimension(W x D x H): 74 x 194 x 29 mm Weight(with tray): 414g Weight(without tray): 224g
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

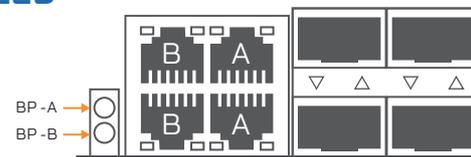
► Order Information

R434B	2x Intel® I350-AM4, 4x 1GbE RJ45 Copper + 4x 1GbE SFP Fiber, 2 Pairs Gen 3 Bypass, Ports Sequence Right to Left
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► Block Diagram



► LED



LED	State	Description
RJ45 Left LAN LED (LNK/ACT)	Green <input checked="" type="checkbox"/> (Blink)	Active
	Off <input type="checkbox"/>	No connection
RJ45 Right LAN LED (Speed)	Green <input checked="" type="checkbox"/>	1Gbps data rate
	Yellow <input checked="" type="checkbox"/>	100Mbps data rate
	Off <input type="checkbox"/>	10 Mbps or no connection
SFP LAN LED (LNK/ACT)	Green <input checked="" type="checkbox"/>	Link: Always on Active: Blinking
Bypass LED	Green <input checked="" type="checkbox"/>	Bypass enabled