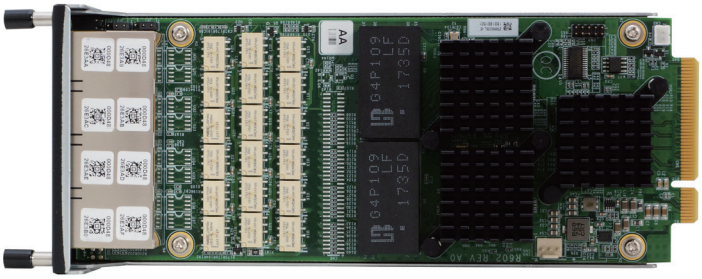
R602

Network Expansion Module



Features

- 2x Intel® I350-AM4
- 8x 1GbE RJ45 Ports
- 2/4 Pairs Gen 3 Bypass(optional)
- Support VMDq, SR-IOV

Introduction

AEWIN R602 Network Expansion Module is built upon the venerable Intel® I350-AM4 chipset, featuring 8x 1GbE RJ45 ports powered by 2x I350 onboard. Available with 2 Pairs or 4 Pairs Bypass ports to fit into different networking requirements. SR-IOV functionality is enabled to offer DMA access

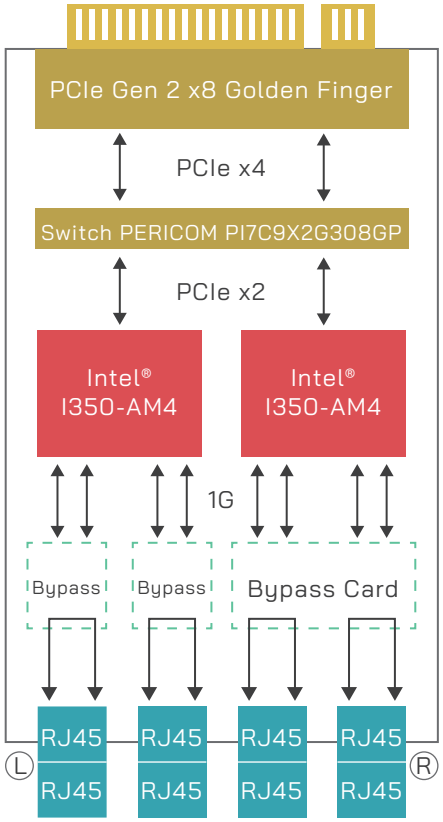
Specification

Platform	
Form Factor	AEWIN Expansion Module
LAN Controller	2x Intel® I350-AM4
LAN Switch	1x PERICOM PI7C9X2G308GP
Features	VMDq, SR-IOV
Ethernet Port	8x 1GbE RJ45 Ports
Bypass	2/4 Pairs Gen 3 Bypass(optional)
Bus Type	PCIe Gen 2 x8
Mechanical	Dimension(W x D x H): 74 x 194 x 29 mm Weight(with tray): 410g Weight(without tray): 220g
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

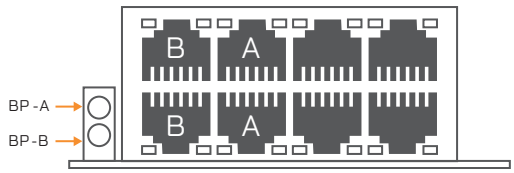
Order Information

R602AL	2x Intel® I350-AM4, PCIe Gen 2 switch PI7C9X2G308GP, 8x 1GbE RJ45 Copper, Ports Sequence Left to Right
R602BL	2x Intel® I350-AM4, PCIe Gen 2 switch PI7C9X2G308GP, 8x 1GbE RJ45 Copper, 2 Pairs LAN Bypass, Ports Sequence Left to Right
R602CL	2x Intel® I350-AM4, PCIe Gen 2 switch PI7C9X2G308GP, 8x 1GbE RJ45 Copper, 4 Pairs LAN Bypass with R417A Bypass Card, Ports Sequence Left to Right

Block Diagram



LED



LED	State	Description
Left LAN LED (LNK/ACT)	Green (Blink)	Active
	Off	No connection
Right LAN LED (Speed)	Green	1Gbps data rate
	Yellow	100Mbps data rate
	Off	10Mbps data rate or no connection
Bypass LED	Green	Bypass enabled