

PuIM-1G4T-I211

Intel® Ethernet Controller I211 based Network Interface Card with 4 x 1GbE RJ-45 by 4 PCIe 2.0 x2 Interface



▲ PuIM-1G4T-I211

▲ PuIM-1G4T-I211-BP

Features

- 4 x Intel® Ethernet Controller I211-AT
- 4 ports RJ-45 connector
- 4 PCIe 2.0 x 2
- LAN Bypass (PuIM-1G4T-I211-BP)
- RoHS compliant

Specifications

Model Name	PuIM-1G4T-I211	PuIM-1G4T-I211-BP
Form Factor	IEI Networking Module - PuIM	
NIC	Intel® Ethernet Controller I211-AT	
LAN Bypass	No	Yes, two pairs
LAN Interface	RJ-45	
Ports	4 x Intel® I211-AT Ethernet Controller	
Host Interface	4 PCIe 2.0 x2	
Storage Temp.	-20°C ~ 75°C (-4°F ~ 167°F)	
Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)	
Humidity	5% ~ 90% RH, Non-condensing	
Dimensions (mm)	165.50 (L) x 77.8 (W) x 44.2 (H)	
Compliance	RoHS	

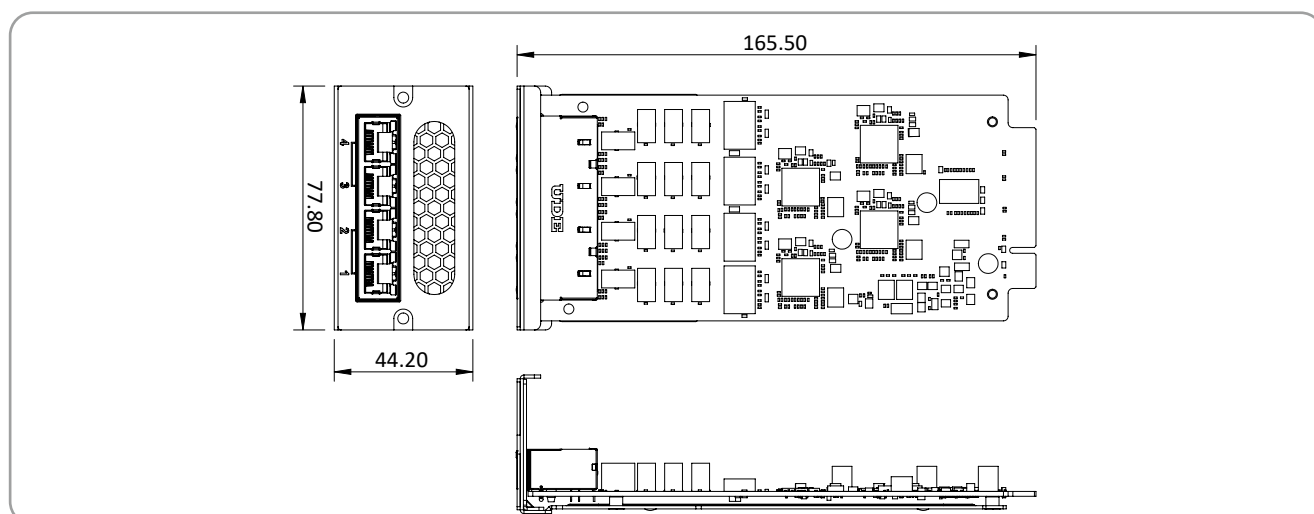
Packing List

1 x PuIM-1G4T-I211 or PuIM-1G4T-I211-BP module	1 x L-shaped T10 Plum Wrench
2 x Trox Screws	1 x QIG

Ordering Information

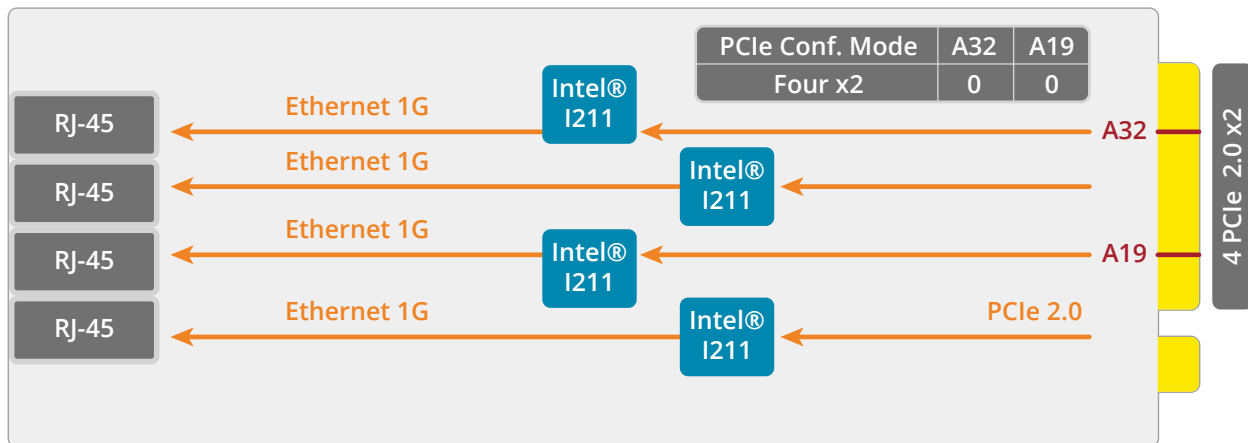
Part No.	Description
PuIM-1G4T-I211-R10	Intel® I211 Ethernet controller based network interface card with four 1GbE RJ-45 without bypass, four PCIe 2.0 x2 interfaces, RoHS
PuIM-1G4T-I211-BP-R10	Intel® I211 Ethernet controller based network interface card with four 1GbE RJ-45 with bypass function, four PCIe 2.0 x2 interfaces, RoHS

Dimensions (Unit: mm)

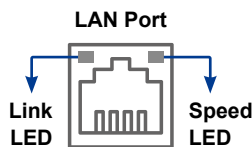
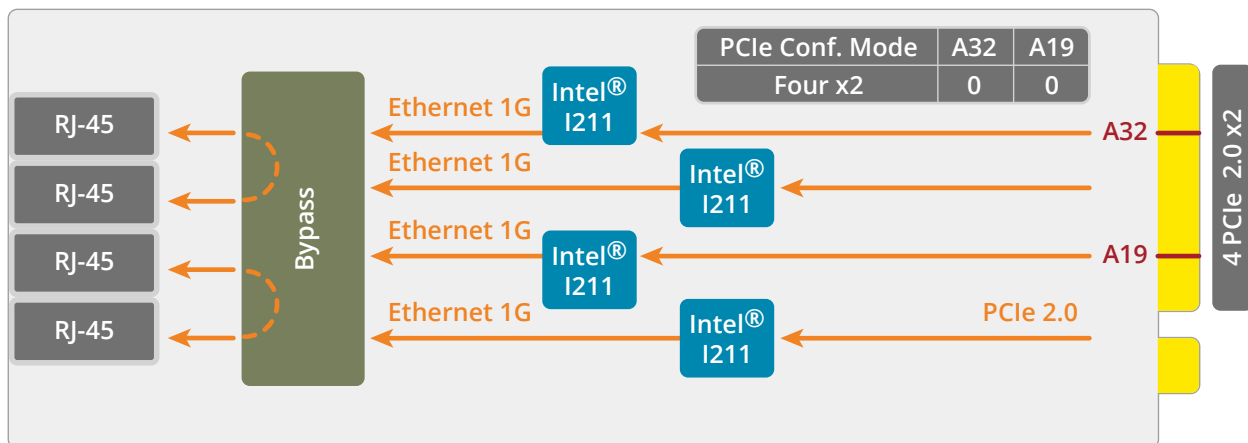





Block Diagram

▼ PuLM-1G4T-I211 Block Diagram



▼ PuLM-1G4T-I211-BP Block Diagram



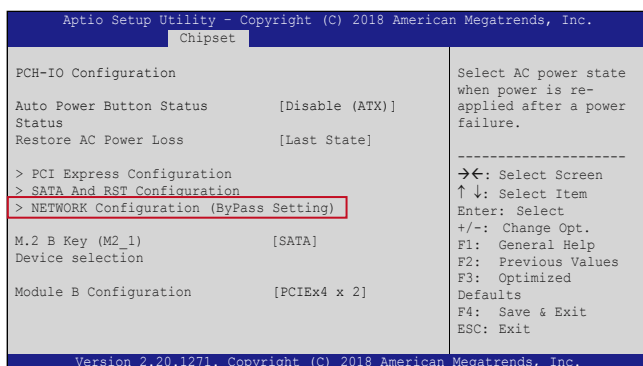
LED	State	Description
Link (Left)	Yellow 	Active
Speed (Right)	Green 	1 Gbps data rate
	Orange 	100 Mbps data rate
Off (Left/Right)	Off	Bypass function (PuLM-1G4T-I211-BP)

Bypass Configuration in BIOS

Some PuLM modules support bypass. To enable/disable bypass function, configure the BIOS menu of the PUZZLE series as described below.

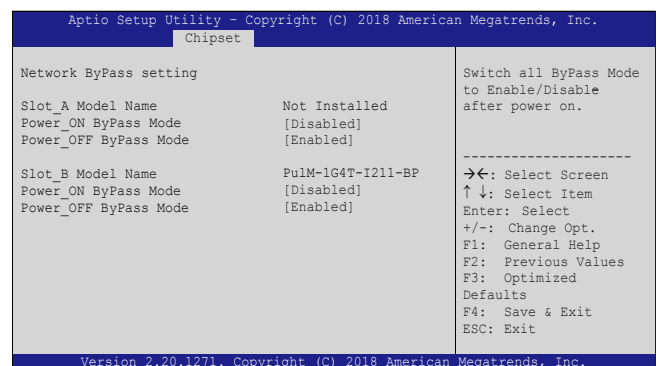
Step 1

Go to Chipset → PCH - IO Configuration → NETWORK Configuration (Bypass Setting)



Step 2

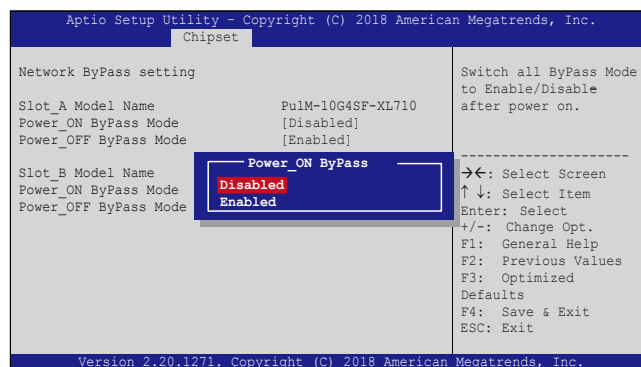
The **Network ByPass Setting** menu appears. The model names of the PuLM module installed in the PUZZLE series are shown.



Step 3

Configure the Power_ON ByPass Mode and the Power_OFF ByPass Mode BIOS options to enable/disable bypass function of the installed PuIM modules.

PUZZLE System	Power_ON Bypass Mode		Power_OFF Bypass Mode	
BIOS Setting	Disabled	Enabled	Disabled	Enabled
PuIM Bypass Modules	Close	Open	Close	Open

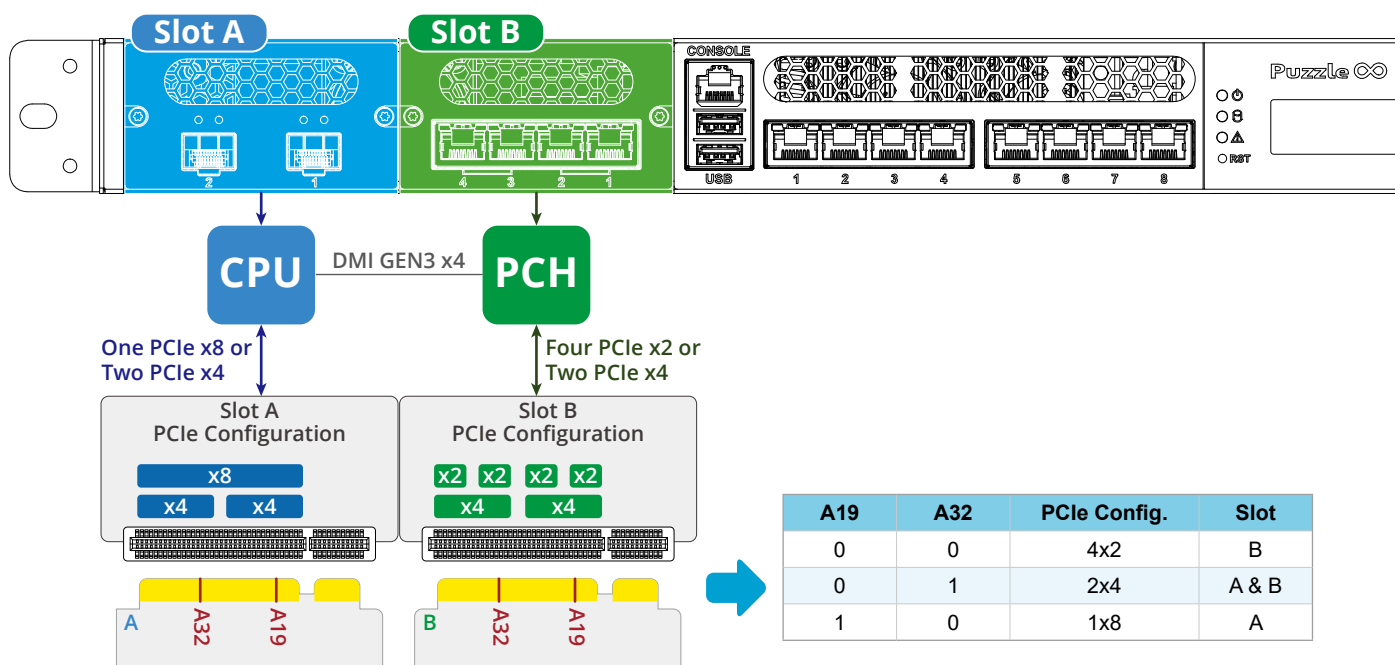
**Step 4**

Press **F4** to save and exit the BIOS menu. The PUZZLE series will reboot with the new settings.

Hardware Installation

Install the PuIM-1G4T-I211 networking module into the slot of the PUZZLE series. The Slot A supports 8 lanes from CPU (1 PCIe x8 or 2 PCIe x4); the Slot B supports 8 lanes from PCH (2 PCIe x4 or 4 PCIe x2).

- When the PuIM-1G4T-I211 is installed into the Slot A, only two LAN ports (port 1 & port 3) are active.
- When the PuIM-1G4T-I211-BP is installed into the Slot A, only two LAN ports (port 1 & port 3) are active; however, the 2-pair bypass is still available.



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IEI:

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