

1-Port 2.5GbE M.2 2280 Network Card, Multi-Gigabit Speeds (2.5G/1G/100M/10M), NBASE-T (802.3bz) NIC, M.2 B+M Key, PCIe Ethernet Interface, For SFF/Desktop PCs

Product ID: MR12GI-NETWORK-CARD



This 2.5 GbE M.2 Network Interface Card (NIC) features an Intel I225-V chipset with Intel vPro technology, for enhanced performance and data integrity. Variable multispeed options (2.5/1Gbps and 100/10Mbps) enable support of new and legacy network hardware. Leverage existing Cat5e or CAT6 cabling infrastructure while adding 2.5GBASE-T (802.3bz) compatibility for seamless integration.

The PCIe network card takes advantage of Intel vPro technology for remote management and troubleshooting capabilities. Improve bandwidth for data-intensive applications, network sharing, FTPs, online or local storage/backup, and online content streaming or uploading while reducing network slowdowns. Access up to 2.5GBASE-T speeds using Cat5e (or better) cabling, to maximize existing networks and equipment.

The network adapter card connects to an available M.2 2280 PCIe slot (B or M key compatible). Standard and low-profile brackets and a 2ft (60cm) Cat6 adapter cable are included for versatile installation. Compatible with Windows, VMware, and Linux.

This Ethernet card supports the following advanced features: PXE Boot, Wake-on-Lan (WoL), VLAN tagging, 9K jumbo frame, half-duplex, auto-negotiation, and Error Correcting Memory (ECC) for optimal network functionality.

Certifications, Reports and Compatibility















Applications

Features

- 1-PORT 2.5GbE M.2 NETWORK CARD: High-performance M.2 Ethernet 2.5Gbps network card with Intel I225-V-chip; Multi-gigabit; Leverage existing Cat5e/Cat6 cabling (or better); NBASE-T (802.3bz); PCI Express M2 2280 B or M key compatible
- M.2 INTERFACE: M.2 2280 form factor is ideal for upgrading systems that do not have PCle expansion slots or where slots are already in use; Includes 2ft (60cm) M/F Cat6 cable adapter for running Ethernet port to full/low-profile bracket on the rear of the PC
- COMPATIBILITY: 2.5GBASE-T variable speed options (2.5/1Gbps and 100/10Mbps) with auto-negotiation; Supports B or M key M.2 PCle Gen 2 slots; Network interface card for PC is compatible with Windows/VMware/Linux; Full and low profile bracket included
- IT MANAGEMENT: Intel vPro for remote management and troubleshooting; PXE boot enabled for faster deployment/updates; 9K jumbo frame for reduced packet overhead; Remotely boot a system using WoL; VLAN support for efficient network management
- THE IT PRO'S CHOICE: Designed and built for IT Professionals, this 2.5 GbE M.2 NIC is backed for two years, including free lifetime 24/5 multi-lingual technical assistance

Hardware		
Tiaiawaie	Warranty	2 Years
	Ports	1
	Interface	RJ45 (2.5G Ethernet)
		M.2 PCIe
	Bus Type	M.2
	Card Type	Standard Profile (LP bracket incl.)
	Industry Standards	IEEE 802.3bz (2.5GBASE-T) Sor/>IEEE 802.3bz (2.5GBASE-T) Sor/>IEEE 802.3b (1000BASE-TX) Sor/>IEEE 802.3i (1000BASE-TX) Sor/>IEEE 802.1c (VLAN) Sor/>IEEE 802.1c (VLAN) Sor/>IEEE 802.3bz (EEE) Sor/>IEEE 1588 (PTP) Sor/>IEEE P802.3az (EEE) Sor/>IEEE 1588 (PTP) Sor/>IEEE P802.3az (EEE) Sor/>IEEE 1588 (PTP) Sor/>IEEE P802.3ab (1000BASE-TX) Sor/>IEEE P802.3ab (1000BASE-TX) <b< th=""></b<>
	Chipset ID	Intel - I225-V
Performance		
	Maximum Data Transfer	2.5Gbps

2.5G/1G/100Mbps/10Mbps

Rate

Compatible Networks





Auto MDIX Yes

PXE Yes

Full Duplex Support Yes

Jumbo Frame Support 9K max.

Promiscuous Mode Yes

Connector(s)

Connector Type(s) 1 - M.2 (B+M-Key, PCIe)

External Ports 1 - RJ-45

Software

OS Compatibility Windows 10, 11
br/>Windows Server 2019, 2022
br/> Linux

5.8.x and up - LTS Versions only

VMware ESXi 7.0

Indicators

LED Indicators 1 - Left LED Indicator is Link Status

Solid Green: Active

Link
Flashing Green: Activity

1 - Right LED Indicator is Link Speed
br/>Solid Green: 2.5

Gbps
Solid Amber: 1.0 Gbps
Off: 100 or 10 Mbps

Power

Power Source Bus Powered

Physical Characteristics

Color Red

Form Factor Separate Cable

Product Length 0.9 in [2.2 cm]

Product Width 3.1 in [8.0 cm]

Product Height 0.6 in [1.5 cm]

Weight of Product 0.5 oz [15.0 g]

Packaging Information

Package Length 6.7 in [17.0 cm]



	Package Width	5.6 in [14.2 cm]
	Package Height	1.2 in [3.0 cm]
	Shipping (Package) Weight	4.9 oz [140.0 g]
What's in the Box		
	Included in Package	1 - M.2 Network Card
		1 - CAT6 Cable Adapter
		1 - Full-Profile Bracket
		1 - Low-Profile Bracket
		1 - M3x2 Screw
		1 - Quick-Start Guide

^{*}Product appearance and specifications are subject to change without notice.