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
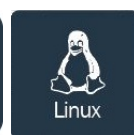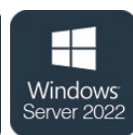
Product ID: MR12GI-NETWORK-CARD

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 PCIe 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 PCIe 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

	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) IEEE 802.3ab (1000BASE-T) IEEE 802.3u (100BASE-TX) IEEE 802.3i (10BASE-TX) IEEE 802.1Q (VLAN) IEEE 802.1p (QoS) IEEE 802.1AS (AVB) IEEE P802.3az (EEE) IEEE 1588 (PTP) PCI Express Version 2.0
	Chipset ID	Intel - I225-V

Performance

	Maximum Data Transfer Rate	2.5Gbps
	Compatible Networks	2.5G/1G/100Mbps/10Mbps

	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 Windows Server 2019, 2022 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 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.