

1-Port Gigabit Network Isolator, Compact In-line RJ45 Ethernet Coupler with 4kV Galvanic Isolation, IP40, DIN Rail Mountable, TAA Compliant

Product ID: 1G-NETWORK-ISOLATOR



This TAA-Compliant 1G Network Isolator with 4kV isolation is bus-powered and provides a separation of all conductive connections between devices connected via an Ethernet cable. The isolator helps prevent ground loops in audio and video equipment.

This isolator features simple plug-and-play setup with no software, drivers, power supply, or grounding wire required. The isolator acts as a coupler, with two RJ45 ports for two Cat5 or Cat6 cables to connect compatible equipment to a computer or data network. It is compact, universally compatible and OS independent.

This isolator provides full transparency on the network it is part of. With no IP, it does not route or alter traffic or affect equipment or network performance. Safeguard equipment and operators by blocking stray electrical currents, surges, and ground faults in your network. This device is ETL Safety Listed (IEC 62368-1) and CE: EN55032/EN55035 Certified.

The compact and durable IP40 rated plastic housing supports multiple installation methods, including DIN rail mounting (kit included) or adhesive mounting for versatile placement on various surfaces. Designed for IT professionals to protect network infrastructure in labs and manufacturing facilities. This device is ideal for ensuring safe operation and reducing risks during network maintenance or upgrades.

Certifications, Reports and Compatibility



Applications

- Protect network devices from harmful power surges with this Network Isolator

Features

- **TAA-COMPLIANT 1G NETWORK ISOLATOR:** Protects connected devices by providing 4kV galvanic isolation between Ethernet connections, separating all conductive paths; Essential for preventing ground loops in audio, video, and data networking setups
- **READY TO USE:** Plug-and-play setup with no software/drivers/power supply/grounding wire required; Acts as a coupler, connecting two CAT5e/6 RJ45 cables to link compatible equipment to a computer/data network; Compact and OS-independent for broad deployment
- **SAFE, RELIABLE & EFFICIENT:** Gigabit network isolator safeguards equipment and operators by blocking stray electrical currents, surges, and ground faults in your network; ETL Safety Listed (IEC 62368-1); CE: EN55032/EN55035 Certified
- **VERSATILE MOUNTING OPTIONS:** Compact and durable IP40 rated plastic housing supports multiple installation methods, including DIN rail mounting (kit included) or adhesive mounting for versatile placement on various surfaces
- **APPLICATIONS:** Designed for IT professionals to protect network infrastructure in labs and manufacturing facilities; Reduces the risk of electric shock to users; Protects devices by preventing noise/interference and small surges

Hardware

Warranty	2 Years
Ports	2
Interface	RJ45 (Gigabit Ethernet)
USB Pass-Through	No

Performance

Compatible Networks	10/100/1000 Mbps
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Connector(s)

Connector A	1 - RJ-45
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Software

OS Compatibility	No Drivers or Software Required
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Special Notes / Requirements

System and Cable Requirements	IEEE 802.3 or IEEE 802.3ab compliant network equipment
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	Note	This product does not passthrough Power Over Ethernet (802.3af/802.3at/802.3bt)
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	-10C to 70C (14F to 158F)
	Storage Temperature	-40C to 85C (-40F to 185F)
	Humidity	10% to 90% RH (no condensation)
Physical Characteristics		
	Color	Black
	Product Length	1.3 in [3.3 cm]
	Product Width	2.6 in [6.7 cm]
	Product Height	0.9 in [2.4 cm]
	Weight of Product	1.1 oz [31.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	7.9 in [20.0 cm]
	Package Width	4.3 in [11.0 cm]
	Package Height	1.1 in [2.9 cm]
	Shipping (Package) Weight	1.4 oz [40.0 g]
What's in the Box		
	Included in Package	1 - Network Isolator
		1 - DIN Rail Kit
		1 - Adhesive Strip
		1 - Quick-Start Guide

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