

Ethernet Network Isolator, Hospital-Grade, RJ45 for Patient Care Vicinity, IEC 60601-1

MODEL NUMBER: N234-MI-1005



Isolate medical devices connected to an Ethernet network to protect patients from dangerous leakage currents.

Features

Isolate Medical Equipment on an Ethernet Network to Enhance Patient Safety N234-MI-1005 medical Ethernet isolator protects staff, patients and medical technology equipment in patient care vicinities from dangerous leakage currents that can travel through a copper-based Ethernet network. It effectively isolates medical equipment to protect patients, yet allows data to flow at Gigabit Ethernet speeds.

Comply with IEC 60601-1 for Use in the Patient Care Vicinity The N234-MI-1005 complies with IEC 60601-1 and EMC/IEC 60601-1-2 safety standards for a network connection between a medical device and an Ethernet network or non-medical device (PC or laptop). Because it meets IEC 60601-1 standards, this medical network isolator can be used in patient care vicinities. For example, you can use this 60601-1 network isolator in the connection between a clinic's network and the PC of a prolonged EEG system. (Note: You can only connect network components that comply with IEEE 802.3 or IEEE 802.3ab. You cannot connect telecommunication appliances, voltage supplies or similar devices.)

Install In-Line on an Ethernet Network This Ethernet network isolator has two RJ45 ports and acts as a coupler, joining two tested and approved Cat6 cables to complete the connection between compatible medical equipment and a computer or data network. Because the cables are removable, you can replace a failed cable without replacing the isolator. Completely plug and play, this RJ45 isolator does not require software, drivers or a power supply.

One-Year Warranty The N234-MI-1005 is backed by a one-year warranty, ensuring reliability and performance.

Specifications

OVERVIEW	
UPC Code	037332213792
Accessory Type	Network Isolator
Technology	Cat6

Highlights

- Isolates harmful leakage currents on a data network to protect patients and equipment
- Meets IEC 60601-1 for use in patient care vicinities
- Works with cost-effective, readily available Cat6 cables
- Plug and play; does not require software, drivers or a power supply

Applications

- Isolate medical equipment connected to an Ethernet network to protect patients in patient care vicinities
- Connect an EMG measuring station with an analysis computer in a doctor's consulting room
- Connect the PC of a prolonged EEG system to a clinic's network

System Requirements

- Network components that comply with IEEE 802.3 or IEEE 802.3ab (10/100/1000BASE-T, twisted-pair)
- Cat6 network cable

Package Includes

- N234-MI-1005 Medical Ethernet Isolator – For Patient Care Vicinity
- Owner's manual



Powering Business Worldwide

TRIPP LITE
SERIES

Accessory Class	Networking Accessories
CONNECTIONS	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
PHYSICAL	
Color	Gray
Shipping Dimensions (hwd / in.)	1.18 x 3.15 x 1.57
Shipping Dimensions (hwd / cm)	3.00 x 8.00 x 3.99
Shipping Weight (lbs.)	0.09
Shipping Weight (kg)	0.04
Unit Dimensions (hwd / in.)	0.910 x 2.560 x 1.140
Unit Weight (lbs.)	0.11
Unit Weight (kg)	0.05
ENVIRONMENTAL	
Operating Temperature Range	14° to 185°F (-10° to 85°C)
Storage Temperature Range	-13° to 185°F (-25° to 85°C)
Storage Elevation (m)	3000
Operating Humidity Range	10% to 90% RH, Non-condensing
Storage Humidity Range	10% to 95% RH, Non-condensing
ESD Protection	16kV
COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit)
IEEE Standards Supported	802.3; 802.3ab
FEATURES & SPECIFICATIONS	
IP68 Rated	No
IP20 Rated	No
STANDARDS & COMPLIANCE	
Product Certifications	EN 60601-1; IEC 60825-1; UL Listed
Product Compliance	RoHS; CE (Europe); REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty



Powering Business Worldwide

TRIPP LITE
SERIES

1000 Eaton Boulevard
Cleveland, OH 44122
United States
<https://tripplite.eaton.com>

© 2025 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.