

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 Tripp Lite's 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

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

OVERVIEW

UPC Code	037332213792
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Accessory Type	Network Isolator
Technology	Cat6
Accessory Class	Networking Accessories
PHYSICAL	
Color	Gray
Unit Dimensions (hwd / in.)	0.91 x 2.56 x 1.14
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
CONNECTIONS	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
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	
Product Warranty Period (Worldwide)	1-year limited warranty



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

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