



Eaton's Tripp Lite series hospital-grade network isolators

Protect patients and staff from leakage currents on Ethernet lines

Designed to isolate medical devices connected to an Ethernet network, Eaton's Tripp Lite series hospital-grade network isolators minimize leakage current and ensure safe Ethernet connectivity in clinical environments. The isolators meet IEC 60601-1 for use in patient-care vicinities and work with cost-effective, readily available Cat6 cables.

Use these network isolators with patient monitoring systems, diagnostic imaging equipment and medical PCs as well as network switches and servers in healthcare facilities that require galvanic isolation between medical and non-medical networks.

Isolate medical equipment on an Ethernet network

These hospital-grade network isolators provide robust galvanic isolation for medical equipment connected to non-medical equipment to protect patients and staff from dangerous leakage currents that can travel through standard copper Ethernet cable.

Support 10G data transmission

The flow and speed of data transmission is not affected by the network line isolation. The isolators support high-speed data transmission up to 10G.

Comply with IEC 60601-1 for patient-care vicinities

The isolators meet IEC 60601-1 with 2 MOPP (Two Means of Patient Protection), allowing use in patient-care vicinities. They also meet IEC 60601-1-2 electromagnetic compatibility (EMC) safety standards for a network connection between a medical device and an Ethernet network or non-medical device (e.g., a laptop).

Choose from versatile form factors

- Panel-mount isolator (N234-MI-BX) acts as a coupler, connecting medical equipment to a non-medical device or network, such as a single computer or a local Ethernet network.
- Keystone jack isolator (N234-MI-KJ) connects to permanently installed Ethernet cables and provides electrical isolation at the exit terminal.
- Dongle isolator (N234-MI-06N-BX) has a female RJ45 port and a male RJ45 connector attached to a six-inch cable to complete the connection between compatible medical equipment and a computer or data network.

Install with ease

These plug-and-play isolators are easy to install with user-supplied Cat6 network cables. They do not require software or a power supply.

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.

Comply with TAA requirements



The isolators comply with the Federal Trade Agreements Act (TAA), making them eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

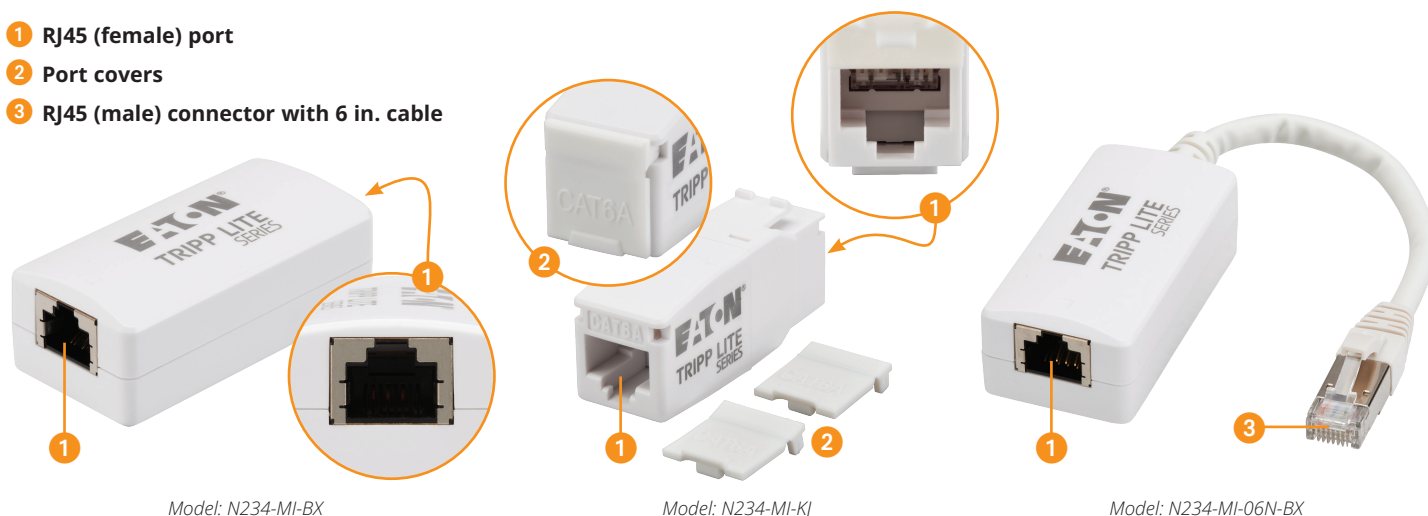


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Feature focus

- 1 RJ45 (female) port
- 2 Port covers
- 3 RJ45 (male) connector with 6 in. cable



Model: N234-MI-BX

Model: N234-MI-KJ

Model: N234-MI-06N-BX

Specifications

Catalog number	N234-MI-BX	N234-MI-KJ	N234-MI-06N-BX
Form factor	Panel mount (includes adhesive mounting pad)	Keystone jack	Dongle
Connections	(x2) RJ45 female	(x2) RJ45 female	RJ45 female, RJ45 male with 6 in. cable
Dielectric isolation	6kV AC/8.5kV DC		
ESD protection	16kV		
Network speed	10 Gbps		
Operating temperature range	14° to 158°F (-10° to 70°C)	14° to 140°F (-10° to 60°C)	14° to 158°F (-10° to 70°C)
Unit dimensions, H x W x D	0.98 x 1.84 x 2.63 in. (2.49 x 4.67 x 6.68 cm)	0.9 x 0.76 x 1.87 in. (2.29 x 1.93 x 4.75 cm)	0.98 x 1.84 x 2.63 in. (2.49 x 4.67 x 6.68 cm) plus 6 in. cable
IEEE standards supported	802.3, 802.3ab		
Ingress protection (IP) rating	IPX0, IP40		
Certification and compliance	IEC 60601-1, CE, UL, RoHS, REACH, TAA		
Limited warranty	One year		

Due to continuous improvement programs, specifications are subject to change without notice.

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