

## Medical Ethernet Isolator – RJ45, For Patient Care Vicinity, IEC 60601-1

MODEL NUMBER: **AL-85754**



Isolate medical devices on a data network line to protect patients from dangerous leakage currents.

### Features

**Isolate Medical Equipment on an Ethernet Network to Enhance Patient Safety** The AL-85754 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 AL-85754 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.

**Comply with TAA Requirements** The AL-85754 complies with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

**One-Year Warranty** The AL-85754 is backed by a one-year warranty, ensuring reliability and performance.

### 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
- Complies with TAA requirements

### 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

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

# Specifications

<b>OVERVIEW</b>	
UPC Code	037332213792
<b>PHYSICAL</b>	
Color	Gray
Unit Dimensions (hwd / in.)	0.91 x 2.56 x 1.14
Unit Weight (kg)	0.05
Unit Weight (lbs.)	0.11
<b>ENVIRONMENTAL</b>	
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
<b>COMMUNICATIONS</b>	
Network Speed	1Gbps
IEEE Standards Supported	802.3; 802.3ab
<b>CONNECTIONS</b>	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Technology	Cat6
<b>CERTIFICATIONS</b>	
Certifications	Tested to CE, RoHS, REACH, IEC 60601-1
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty