# Specification Sheet

## Product Details

| | |
|---|---|
| Product Name | Amphenol to Ethernet Converter |
| Model Number | LT-AS-AEC-V1 |
| Manufactorer | Linx Technologies |
| Website Link | https://linxti.com/lt-as-aec-v1/ |
| Release Date | 3/14/2025 |
| Project | PN-1007 |

## Diagram



## Overview

The Amphenol to Ethernet Converter (AEC) provides a streamlined way to transition multiple two-conductor connections between RJ45 cabling and a single 50-pin Amphenol/Centronics interface. Each RJ45 port utilizes the orange pair, routing it directly to its designated pins on the 50-pin connector. The fully passive design helps simplify wiring, equipment connections, troubleshooting, and future servicing in PA, commercial audio, and low-voltage installations.

## Connectivity / Electrical

| Category | Description |
|---|---|
| Type | Passive Wiring Interface |
| 50-pin Interface | Amphenol / Centronics |
| RJ45 Interfaces | 25 RJ45 jacks |
| Used Conductors | Orange pair from each RJ45 |
| Routing | Direct point-to-point passive routing |
| Signal Type | Two-conductor analog / low-voltage |

## Design Features

| | |
|---|---|
| Construction | Custom passive PCB |
| Capacity | Up to 25 two-conductor paths |
| Servicing | Individual RJ45 terminations |
| PCB Mounting | Four mounting points |
| Processing | No amplification or conversion |
| Application | PA / commercial audio / low voltage |

## Dimensions

| Dimension Type | Inches | Millimeters |
|---|---|---|
| Length | 17.574 | 446.38 |
| Width | 3.298 | 83.77 |
| Depth | 0.0035 | 0.09 |

## Mounting

RJ45 orange pair → assigned 50-pin connector contacts. The AEC is a wiring-interface product and does not amplify, attenuate, digitize, or otherwise process the signal. Verify pin assignments and signal compatibility of connected equipment before installation.

## Installation Notes

Support the PCB using its four mounting points and maintain clearance from conductive surfaces.

RJ45 connectors are used as a cable interface; the AEC is not intended to connect to Ethernet switches, routers, or other network equipment.

## Warrenty

This product includes a 3-year limited warrenty. For support contact your supplier.

Tested and Certified By: