



## Features

# Powerline Ethernet Media converter

### General features

- Powerline Homeplug AV, IEEE802.3 , IEEE802.3u
- Up to 500 Mbps over electrical wire
- No setup required
- Up to 300 meters range over the electrical cables
- 128-bit AES encryption through a pair button
- M12- D Ethernet connector
- M12-A Power connector 24VDC EN50155

### Technical specification

- M12- D Ethernet connector
- M12-A Power connector 24VDC EN50155
- LED indicator PWR, PLC, ETH
- Modulation technology OFDM

### Power supply

- 24 VDC nominal EN50155 compliant
- Consumption: 2 W max

### Physical characteristics:

- Overall dimensions: 134 x 160 x 61 mm (W x L x H)
- Weight: < 3 kg

### Environmental characteristics:

- Operating temperature range: -25 to +70°C EN 50155 class T3

### Certification

- EN 50155 for Railway applications
- EN 61373 Random Vibration & Shock Testing
- EN 50121-3-2 Railway applications. Electromagnetic compatibility
- EN45545 Fire and smoke

The Ermetris media converter powerline to Ethernet is the easy way to couple trains networks. It can reach up to 500 mbps not shielded electrical wire. The system is EN50155 fully qualified. The communication is based on the standard Homeplug AV, IEEE802.3 , IEEE802.3u.

The media converter is provided with M12 D connector for Ethernet , M12 A code for power input and 2 pin connector for power line. It has a push button for point to point 128-bit AES encryption and status led for connection, power and working.

Easy installation: deployment, installation and no set-up needed.



For more information contact [info@ermetris.com](mailto:info@ermetris.com) or visit our website.

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