

# TE1021

## 100/1000Base-T1 Media Converter



Scan the code to follow



### Classic Application:

- Vehicle Ethernet Communication Development
- Vehicle Ethernet Communication Testing

## Feature Overview

TE1021 is a media converter that converts one channel of in-vehicle Ethernet to regular Ethernet interface (100/1000Base-T1 to 100Base-Tx/1000Base-T). Users can convert either 100Base-T1 to 100Base-Tx or 1000Base-T1 to 1000Base-T.

TE1021 is compact, sturdy, and easy to carry due to its small size.

## Shipping list

- TE1021 device
- TE MATEnet or Rosenberger H-MTD Cable  
(Not included as standard, requires separate ordering)

## Ordering information

Product Name	Model Number	Interface Type	Function Description
Network Device	TE1021-M	MATEnet	Single Channel Gigabit/Megabit (Manual Switch) Regular Ethernet/In-Vehicle Ethernet Interface Device
Network Device	TE1021-R	Rosenberger H-MTD	

## Characteristics

- 2 types of in-vehicle Ethernet interfaces available for selection: TE MATEnet or Rosenberger H-MTD
- LED display for in-vehicle Ethernet operational status
- LED display for system operational status
- Supports traditional Ethernet RJ45 interfaces with indicator lights
- Master-slave configuration via 2-position DIP switch
- Switch between gigabit and megabit using a 2-position DIP switch
- Operating Voltage: DC: 9-36V (Phoenix terminal powered)
- Message forwarding delay time (for reference only):  
100M: 2.3us  
1000M: 5.3us
- Operating temperature range: -45°C to 85°C
- Product Dimensions: Aluminum alloy shell, size 110X70X36 mm