TOSUN

TE1021

100/1000Base-T1 Media Converter

Classic Application:

- Automotive ethernet Communication Development
- Automotive ethernet Communication Testing

Feature Overview

The TE1021 is a compact and efficient media converter designed for seamless communication between automotive Ethernet and standard Ethernet networks. It supports both 100Base-T1 and 1000Base-T1 automotive Ethernet standards, converting them to 100Base-Tx or 1000Base-T standard Ethernet, respectively. With its plug-and-play design, the TE1021 provides a reliable solution for connecting automotive devices to conventional Ethernet systems, making it ideal for development, testing, and integration applications.

Characteristics

- 2 types of Automotive ethernet interfaces available for selection: TE MATEnet or Rosenberger H-MTD
- LED display for Automotive 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 terminalpowered)
- Message forwarding delay time (for reference only): 100M: 2.3us/1000M: 5.3us
- Operating temperature range: -45℃ to 85℃
- Product Dimensions: Aluminum alloy shell, size 110X70X36 mm

Shipping list

- TE1021 device
- TE MATEnet or Rosenberger H-MTD cable
  (non-standard, must be ordered separately)

Ordering information

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