

TE1105

**100Base-Tx, 1000Base-T
100/1000Base-T1 Ethernet switch**



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Classic Application:

- Vehicle Ethernet message forwarding
- Vehicle Ethernet data monitoring and analysis
- Vehicle Ethernet communication testing
- Various test benches

Feature Overview

TE1105 is a 5-port Ethernet switch capable of enabling interaction and packet monitoring functions between selected ports of standard Ethernet 100Base-Tx/1000Base-T or vehicle Ethernet 100/1000Base-T1 and the terminal network.

It supports IEEE 802.1q (VLAN) mode, along with MAC filtering during mirroring, IEEE802.1Qav AVB traffic shaping, and IEEE802.1Qat time scheduling.

Characteristics

- 5 ports 100Base-Tx/1000Base-T and 100/1000Base-T1, switchable via software at anytime
- Vehicle Ethernet interfaces: TE MATEnet and Rosenberger H-MTD
- Supports Ethernet packet forwarding and monitoring modes
- Supports 2 customizable configurations, allowing for VLAN definition, TSN time scheduling, AVB traffic shaping, port filtering rules, etc. (Customization to be discussed with the manufacturer)
- Mirror function: Allows packet mirroring between two channels of vehicle Ethernet
- Pass-through function: Directly transmits packets from vehicle Ethernet to PC via RJ45
- LED indicators displaying vehicle/standard Ethernet operational status
- LED indicators displaying system status, including rate, master/slave, and USB status

Specification

Channel	5 ports 100Base-Tx/1000Base-T and 100/1000Base-T1 Ethernet interface
Ethernet Interface	RJ45 with TE MATenet or Rosenberger H-MTD
Isolation	Network transformer/capacitor isolation
Power supply	DC 9-32V
Size	300mm*120mm*30 mm
Operating Temperature	-40°C to 80°C
Enclosure Material	Aluminum

Ordering Information

Product name	Model	Feature description
Bus interface devices	TE1105	5-port T1/Tx switch

Shipping list

- TE1105 main unit
- DC 12V power adapter
- USB cable
- TE MATenet or Rosenberger H-MTD cables
(not included, need to be ordered separately)

