ET-109R rev M1

ET-109RM ST/SC:
10Base-T to 10Base-FL Fiber Converter

Key Features
- Support 10Base-T and 10Base-FL
- Standalone or composite application
- RoHS Compliance

Overview
ET-109RST is an Ethernet IEEE802.3 media converter from 10Base-T to 10Base-FL. It is designed to address the situation where only 10Base-T port is available but requires 10Base-FL connectivity via ST connectors. Such high performance media converter can repeat and convert data signal running 10Base-FL cable up to 2 kilometers.
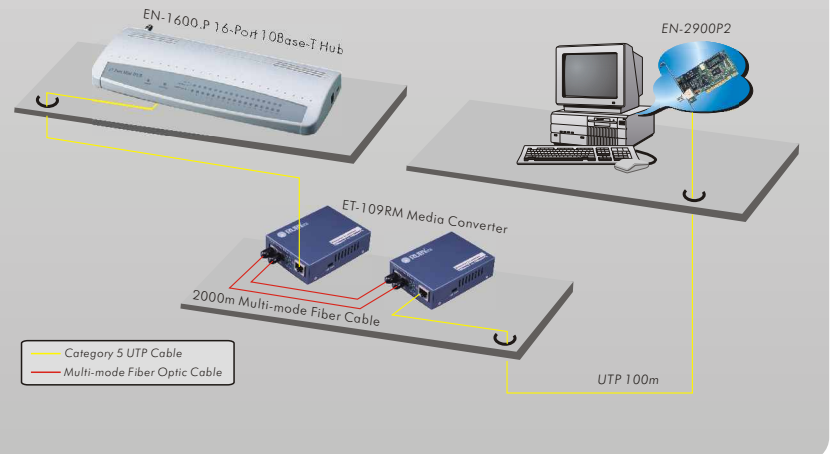
It is equipped with two fiber optic ST connectors (one for transmitting and the other for receiving) and one RJ-45 connector (DTE/MPR switch is used to select either workstation or Hub connection). Four LED indicators are built-in for easily diagnosing and monitoring the status of Power, UTP Link/Activity, Fiber Link/Activity, and Collision.

Technical Specifications
- **Standard:** IEEE802.3 10Base-T and 10Base-FL
- **Connectors:**
  UTP Ports: RJ-45 Jack
  Fiber Port:
  ST multi-mode connector TX/RX (ET-109RMST)
  ST single-mode connector TX/RX (ET-109RMST.S10)
- **Cable:**
  UTP: Cat. 3 or 5 TP cable
  Fiber:
  50/125, 62.5/125, or 100/140μm multi-mode
  8.3/125, 8.7/125, 9/125 or 10/125μm single-mode
- **Maximum wire Length**
  UTP: 100m
  Fiber:
  2Km(multi-mode)
- **Data Transfer Rate:** 10Mbps (Half duplex), 20Mbps (Full duplex)
- **LED Indicator:** TP Link/Activity, FL Link/Activity, Power, Collision
- **Power Requirement:** 1A@+5V DC
- **Ambient Temperature:** 0 ~50°C
- **Humidity:** 5%~90%
- **Dimensions:** 26.2(H) x 70.3(W) x 94(D) mm
- **Certification:** FCC Part 15 Class A & CE Mark

Ordering Information

ET-109RST	10Base-T to 10Base-ST Media Converter
ET-109RST.S10	10Base-T to 10Base-SC Media Converter, ST Single-Mode, 10km 1310nm

Unmanaged Media Converter