

8 Ports 10/100Base-TX Ethernet Switch with 1 port 100Base-FX Uplink and TV RF Receiver**KEY FEATURES**

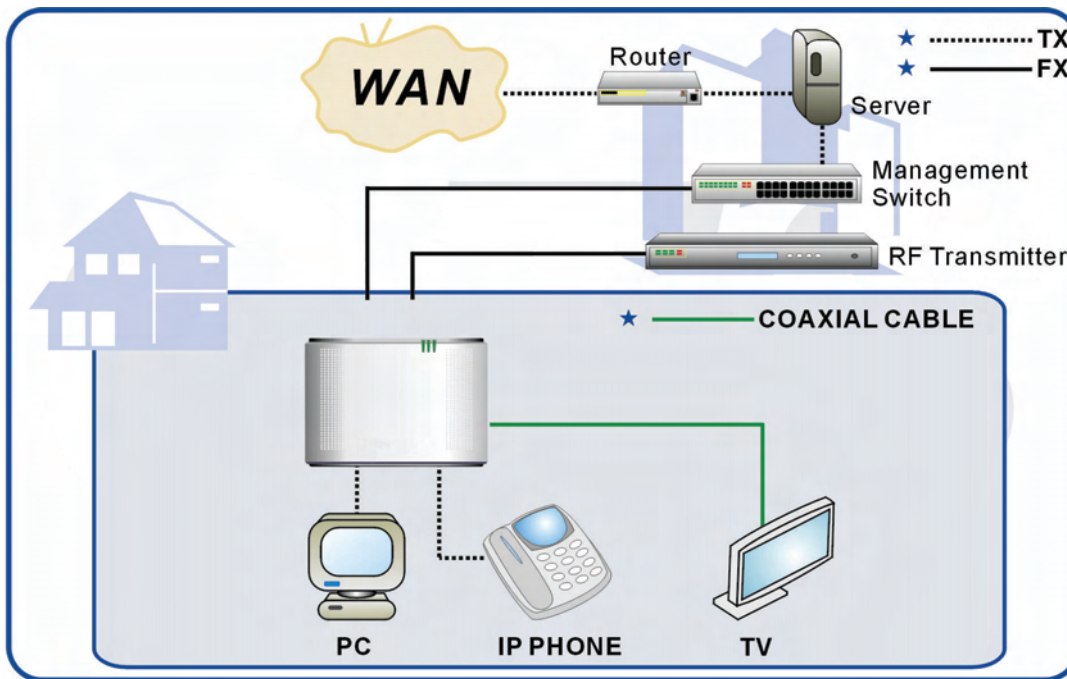
- Comply with IEEE 802.3 10BASE-T, 802.3u 100BASE-TX/FX standards
- Store and Forward Switching Mechanism
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation in TP port
- Support 1 port of TV optic fiber
- Support 1 port of Coaxial Cable
- Support Power/WAN/Status/TP Link Act /TP Speed/CATV-TV, Fiber, Power LED
- Comply with IEEE 802.1p Priority
- Comply with IEEE 802.1q Tag VLAN
- Comply with IEEE 802.1d Spanning Tree
- Comply with NTSC/PAL TV RF Standard
- Support QoS Classification based on TOS
- QoS support with 4 traffic classes
- Support Q-in-Q VLAN Tunneling
- Support SNTP Time Server
- Support IGMP Snooping v1 and v2
- Support SNMP v1 and v2c
- Support DHCP Client
- Support Radius Authentication
- Support Power Down Trap Management
- Support SNMP/Telnet/Console/Web Managed interface
- Support FTP/TFTP Firmware Upgrade
- Build in Cable Tray

**DESCRIPTIONS**

Considering the latest trend of digital home market, there are more and more last mile devices integrated with voice or video services. Equipment vendors try to provide versatile solutions to different service providers for their specific application. TPY0002 is derived from this concept.

TPY0002 is going to provide data access and conventional CATV NTSC/PAL service simultaneously. For the network side, TPY0002 equips two fiber optic ports. One is for the connection to the CO of the CATV and the other is for the Metro Ethernet. For the local side, TPY0002 provides 8 10/100Mbps Ethernet ports and a CATV Type F female connector for NTSC/PAL TV sets. With TPY0002, the end user could enjoy the fast speed Internet access of FTTH and the high quality CATV service together. TPY0002 will save the large investment on CMTS, cable modem and set-top box for the CATV service provider and provide the most cost effective and better service to the end user.

APPLICATION



SPECIFICATIONS

Management

Protocol : SNMP , Console ,WEB
Interface : DB-9 (DTE)

Standard

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX/FX

Interface

10/100Base-T RJ-45 Port: 8
100Base-FX Port: 1
TV Fiber port : 1
TV RF Coaxial port : 1

LED

Power, WAN, Status, Speed, Link
CATV-TV, CATV-Fiber, CATV-Power

MAC table & Memory buffer

MAC Address Table: 2K
Memory Buffer: 128K Byte

Forward / Filter Rate

10M: 14,880/14,880pps
100M: 148,800/148,800pps

Power

External Power adapter:
Input AC 120V-240V
Output DC 12V
Power Consumption: 11W

RF Receiver

Forward Path Frequency Range: 54-870 MHz
Transmission Channel Capacity:
NTSC: 77 Channels
PAL: 60 Channels
Output Level: min 24dBmV@-5dBm optical input
CNR: 48dB@-4dBm optical input
CSO: max -65dBc@-4dBm optical input
CTB: max -67dBc@-4dBm optical input
Output Return Loss: max -16 dB
Flatness: ± 1 dB

Optic Spec of RF Receiver

Optic input Wave length: 1200 to 1620 nm
Optic Input Power: -8 to -2 dBm
Fiber Connector: SC/APC

Typical Operation & Temperature

Operation: 0°~40°C
Storage Temperature: -20°~60°C
Humidity: 5%~90% non-condensing

Dimension & Weight

210x 147x 50mm(W x D x H)
Shipping Weight: 1.6KG

Emission/Safety

FCC Class B
CE

*For further reports, please contact us for update

ORDER INFORMATION

Single-Mode

TPY0002RFA(SM-20/40)-RF
TPY0002RFB(SM-20/40)-RF