



ESH-3105W2X-RF

4 Ports 10/100/1000Base-T Managed Ethernet Switch with 1 Port 1000Base-X Uplink and CATV RF Receiver

KEY FEATURES

- Comply with IEEE 802.3 10BASE-T, 802.3u 100BASE-TX , 802.3ab 1000BASE-T & 802.3z 1000BASE-X standards
- Four 10/100/1000Base-T ports and one 1000Base-X port
- 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
- Support 128KB packet buffer
- Support 4K MAC address
- Support Jumbo frame on all ports up to 9K bytes size
- Support IEEE 802.3ah OAM network management
- Support IEEE 802.1ag CFM
- Comply with IEEE 802.1p Priority
- Comply with IEEE 802.1q Tag VLAN
- Support Selectable ISP Ethernet Tag Type
- Support Port Based IEEE 802.1p remarking and queuing for four queues
- Support Double VLAN tags (Q-in-Q)
- Support IGMP Snooping v1,v2
- Support SNMP v1,v2c network management
- Support private , RFC-1213 , RFC-1757 RMON MIBs
- Support Rate Limit Control
- Support RADIUS Authentication
- Support Event syslog
- Support DHCP client and auto configure
- Support DoS attack prevention *
- Support SNMP/Telnet/Console/Web/CLI Managed interface
- Support FTP/TFTP Firmware Upgrade
- Build in Cable Tray



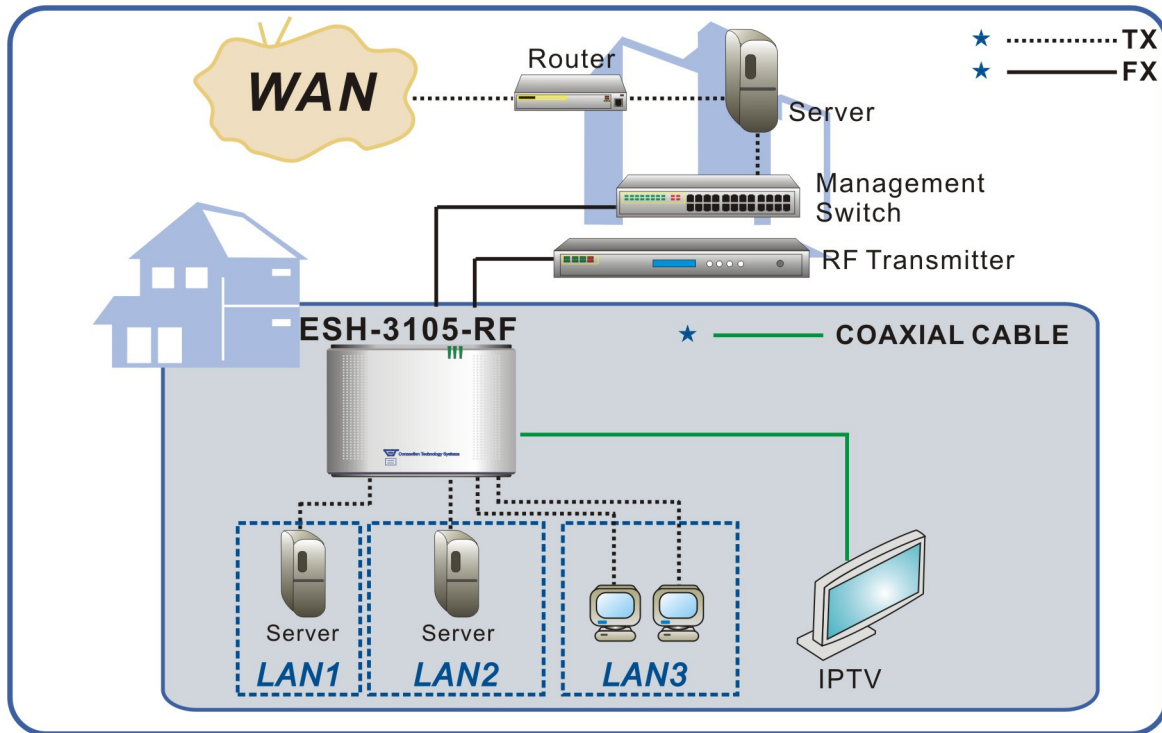
Mark * means coming soon

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. ESH-3105W2X-RF is derived from this concept.

ESH-3105W2X-RF is going to provide data access and conventional CATV NTSC/PAL service simultaneously. For the network side, ESH-3105W2X-RF 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, ESH-3105W2X-RF provides 4 10/100/1000Mbps Gigabit Ethernet ports and a CATV Type F female connector for NTSC/PAL TV sets. With ESH-3105W2X-RF, the end user could enjoy the fast speed Internet access of FTTH and the high quality CATV service together. ESH-3105W2X-RF 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 , CLI

Standard

IEEE 802.3 10Base-T
 IEEE 802.3u 100Base-TX/FX
 IEEE 802.3ab 1000Base-T
 IEEE 802.3z 1000Base-X

Interface

10/100/1000Base-T RJ-45 Port: x 4
 1000Base-X Port: x 1
 DB-9 (DTE) console port x 1

LED

Power, WAN, STATUS, Link/Act, Speed

MAC table & Memory buffer

MAC Address Table: 4K
 Memory Buffer: 128K Byte
 Ethernet Tag Type: Selectable
 Max. Frame Size: 9728 byte

Forward / Filter Rate

10M: 14,880/14,880pps
 100M: 148,800/148,800pps
 1000M: 1,488,000/1,488,000pps

Power

External Power adapter
 Input AC120V~240V
 Output DC12V
 Power consumption: 9W

RF Receiver

Forward Path Frequency Range:
 54-870 MHz
 Transmission Channel Capacity:
 NTSC: 77 Channels
 PAL: 60 Channels
 Output Level: min 20dBmV@-4dBm 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°~50°C
 Storage Temperature: -20°~60°C
 Humidity: 5%~90% non-condensing

Dimension and Weight

210 x 147 x 75 mm (WxDxH)
 Shipping Weight 1.2 KG

Emission/Safety

FCC Class A
 CE
 *For further reports, please contact us for update

ORDER INFORMATION

Single-Mode-WDM

ESH-3105W2A(SM-10/20/40)-RF
 TX:1310nm RX:1550nm
 ESH-3105W2B(SM-10/20/40)-RF
 TX:1550nm RX:1310nm