



## GSW-2020C7

7x GbE, RJ45 + 1x Dual Rate SFP  
L2+ Managed CPE Switch with Cable Tray

The GSW-2020C7 is a new generation CPE switch developed by CTC Union Technologies. This new CPE switch is designed with 7 ports 10/100/1000Base-T RJ45 and 1 port 100/1000Base-X SFP based fiber optics for P2P FTTH service applications. Its design concept is well considered from the basis of stylish and elegant appearance for the residential user as well as the advantage of easy installation for the FTTH service provider. Hence, the GSW-2020C7 makes an Internet connected device no longer like the legacy ones hidden in the corner of household. Oppositely, it can become as an eye-catching furniture to blend into the overall decoration aesthetics at home. As usual, the GSW-2020C7 adopts the evolutionary cable tray structural design to help the installer more easily and protectively manage the excess fiber within the unit.

The GSW-2020C7 fully supports Layer 2 feature sets with complete network management interfaces such as Web GUI, CLI and SNMP. The GSW-2020C7 also supports DHCP auto provisioning and TR-069 client function which are suitable for the very large scale deployment from operator or service provider. Both device management features can avoid truck rolls and save OPEX for FTTH service providers.

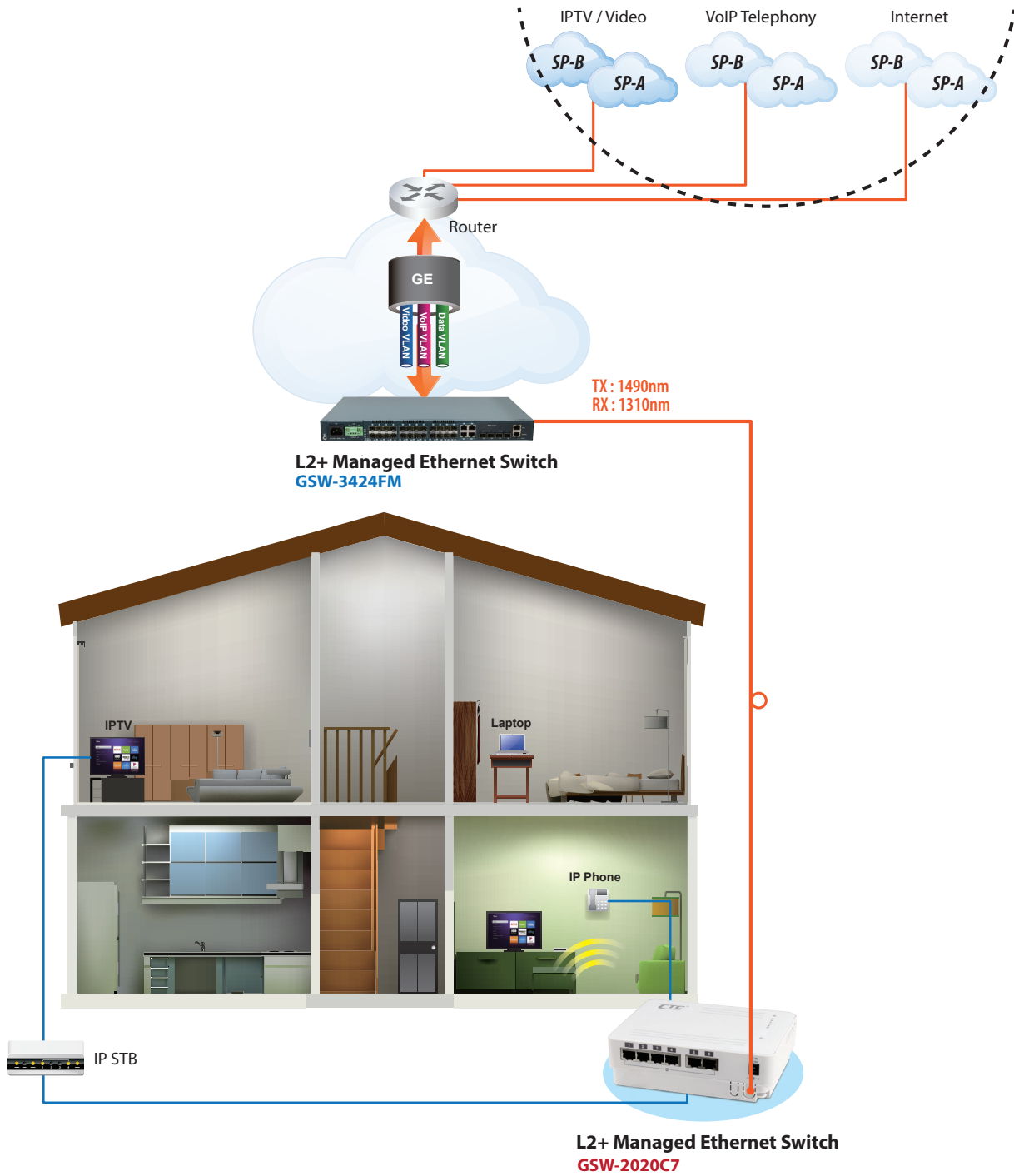
### Feature

- Built-in IPTV probe feature can monitor IPTV service quality and performance in real-time
- Smart interrogator function - automatically gather vital information from the CPE at all times and store in database accessible by the operator
- Smart fiber tray design makes fiber cable management more handy

### Specifications

<b>Interface</b>	fiber port: 100M/1Gbps SFP x 1 Copper port: 10/100/1000Mbps RJ45 x 6 10/100/1000Mbps RJ45 for telemetry x 1	<b>Management</b>	WebGUI/Telnet CLI interface SNMP v1/v2c/v3 TR-069 client for remote device management and configuration RMON I (1,2,3,9 groups) & RFC1213 MIB II Dying gasp in trap message DHCP client/relay/snooping/relay option 82 TFTP/HTTP based firmware and configuration upgrade Port mirroring Event syslog server DNS client/proxy DHCP auto provisioning NTP client, UPnP IPv4/IPv6 management SFF-8472 DDMI IEEE 802.1ab LLDP Smart detect functionality for configurable log and trap warning option
<b>Packet forwarding rate</b>	14880pps @10Mbps 148800pps @100Mbps 1488000pps @1000Mbps	<b>Power Input</b>	100V~240VAC power adaptor
<b>Transmission Method</b>	Store and Forward Switching	<b>Operating Temperature</b>	0~45°C
<b>Packet buffer</b>	1.75M bits	<b>Storage Temperature</b>	-25~70°C
<b>MAC table size</b>	4K	<b>Humidity</b>	5%~90% (non-condensing)
<b>Jumbo frame size</b>	10240 Bytes	<b>Dimension</b>	162 x 122 x 32.2mm (WxDxH)
<b>VLAN feature</b>	IEEE 802.1Q tagged VLAN (4K VLAN groups) IEEE 802.1ad QinQ VLAN Voice VLAN; MAC based VLAN; Protocol based VLAN IP subnet based VLAN Private VLAN for port isolation; VLAN Translation GVRP (GARP VLAN registration protocol)	<b>Certification</b>	CE, FCC, RoHS
<b>Link aggregation</b>	Static trunk (SA, DA, IP, TCP/UDP port) IEEE 802.3ad LACP, 4 LACP trunk groups Max 8 port Max. per LACP trunk		
<b>L2 switching protection</b>	IEEE 802.1D STP/IEEE 802.1w RSTP/IEEE 802.1s MSTP Loop Protection		
<b>QoS feature</b>	Hard wired IEEE 802.1p 8 priority queues per port Traffic scheduling based on strict/WRR priority CoS based traffic classification on switch port, VLAN ID, DSCP, TCP/UDP port IEEE 802.1p priority tag remarking; DSCP remarking Per Port/Queue based ingress/egress rate limit in steps of 100kbps IEEE 802.3x flow control Multicast/Broadcast/Unicast storm control with flooding control		
<b>Security</b>	Static port security (MAC based) Per port limited MAC learning Port based/MAC base/single/multiple IEEE 802.1x access control 128 ACL rules based on L2~L4 information RADIUS/TACACS+ authentication HTTps & SSH v2 IP/MAC binding IP source guard & ARP inspection		
<b>IP Multicasting</b>	IGMP snooping v1/v2/v3, IGMP proxy reporting MLD snooping v1/v2 IGMP fast leave IGMP query IGMP filtering/throttling MVR (Multicast VLAN Registration) IPTV probe functionality		

## P2P FTTH Hybrid-Triple Play Service Application



### Ordering Information

Model Name	Description
GSW-2020C7	7-port 10/100/1000Base-T to 100/1000Base-X managed GbE Ethernet switch

### Optional Accessory

Model Name	Description
GSW-20FT	Fiber Tray set for GSW-20 series CPE