

SyncE Switch



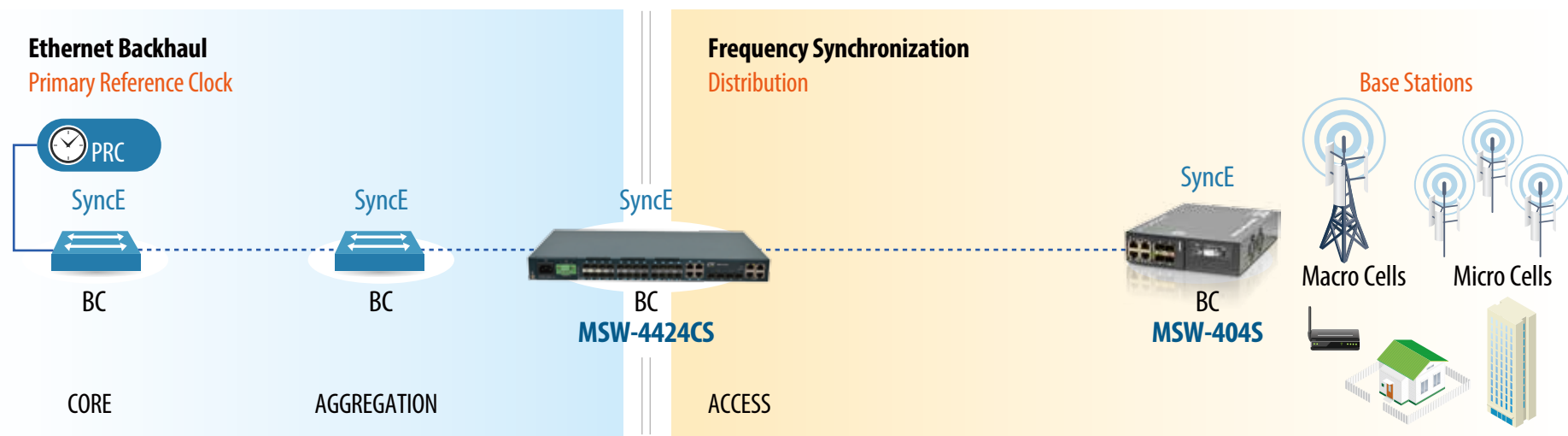
- 20 × 100/1000Mbps SFP slots + 4 × GbE combo ports + 4 × ports 10G/1Gbps SFP+ slots
- CE 2.0 standard compliant (E-Line/E-LAN/E-Tree service)
- **SyncE / IEEE 1588 v2**
- IEEE 802.3ah / IEEE 802.1ag / ITU-T Y.1731 Ethernet OAM
- ITU-T G.8032 Ethernet ring protection
- IPv6 support



Timing & Synchronization Highlights

- ITU-T G.8261 / G.8262 standards
- SyncE enabled on all interfaces
- 1 PPS / ToD port (RJ45)
- IEEE 1588 v2 PTP – OC/TC/BC mode
- Frequency synchronization
- 1544K / 2048K / 10M Hz

▼ Mobile Backhaul Application



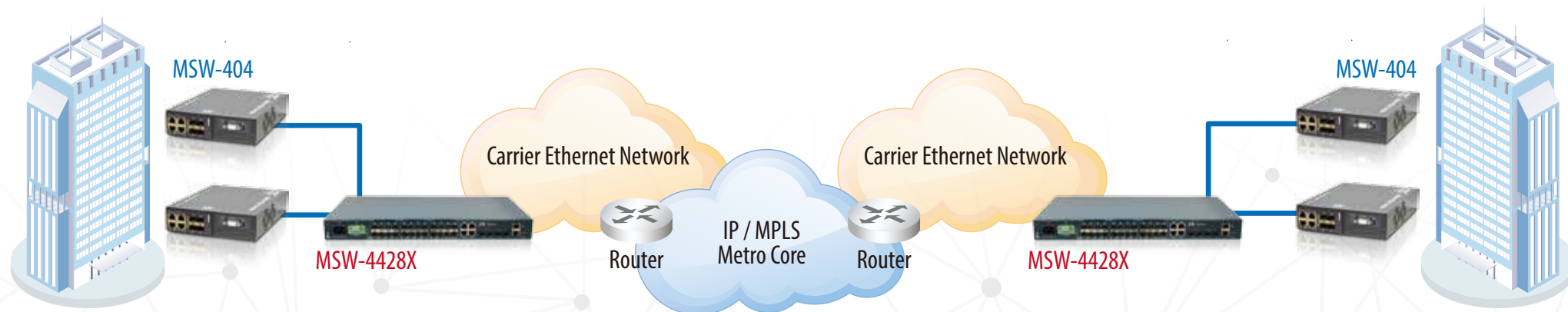
Carrier Ethernet Switch

CE^{2.0}

- 24 × 100/1000Mbps SFP slots + 4 × GbE RJ45 + 4 ports 10G/1Gbps SFP+ slots
- CE 2.0 standard compliant (E-Line/E-LAN/E-Tree/E-Access service)
- IEEE 802.3ah / IEEE 802.1ag / ITU-T Y.1731 Ethernet OAM
- **Built-in RFC2544 & ITU-T Y.1564** tester functionality
- MPLS-TP compliant to ITU-T G.8113.1



▼ Application



Carrier Ethernet Switch

CE 2.0



MSW-4424A



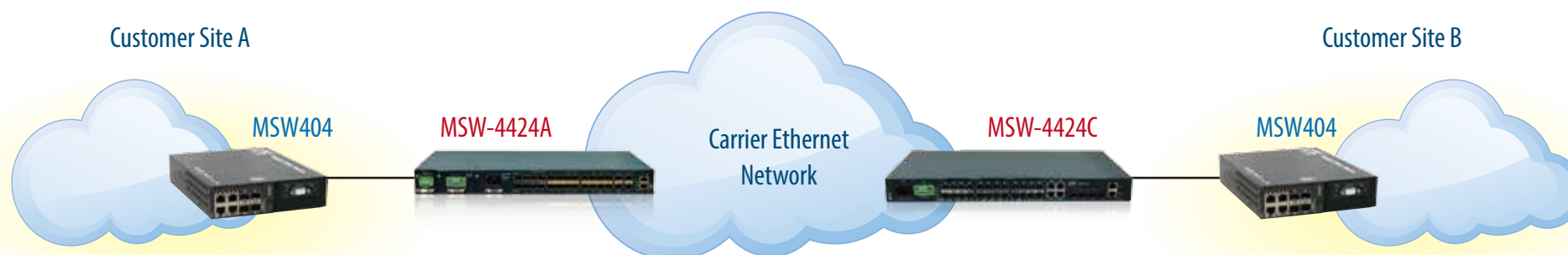
MSW-4424C

Hot swappable power and FAN module design !

Power and FAN module built-in design !

- 24 × 100/1000Mbps SFP slots + 4 ports 10G/1Gbps SFP+ slots (MSW-4424A)
- 20 × 100/1000Mbps SFP slots + 4 × GbE combo ports + 4 × 10G/1Gbps SFP+ slots (MSW-4424C)
- CE 2.0 standard compliant (E-Line/E-Access service)
- IEEE 802.3ah / IEEE 802.1ag / ITU-T Y.1731 Ethernet OAM
- ITU-T G.8032 Ethernet ring protection
- IPv6 support

▼ Application



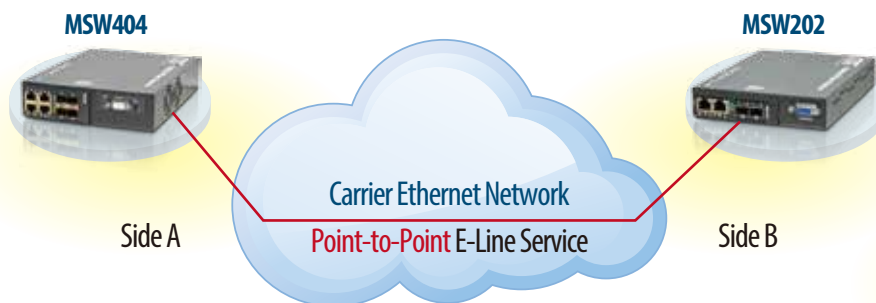
NID/EDD



MSW-202

- 2 ports GbE RJ45 + 2 ports 100/1000Mbps SFP slots
- CE2.0 standards compliant (E-Line, E-LAN service)
- Supports 9.6K Bytes jumbo frame
- ITU-T G.8032 Ethernet ring protection
- IPv6 support
- Fully Ethernet OAM support

▼ Application

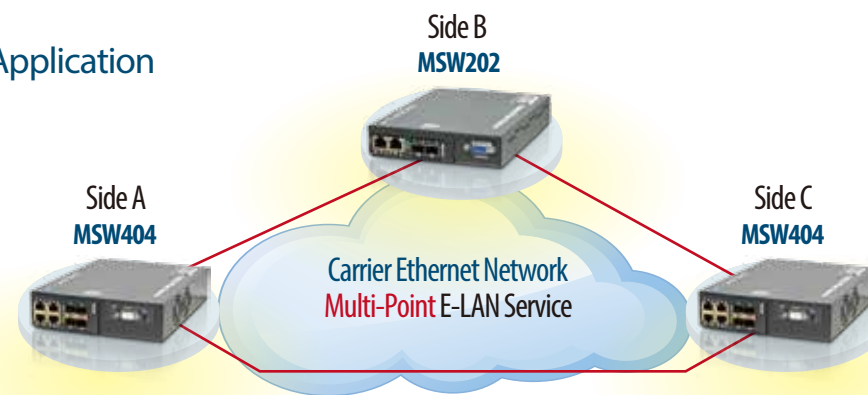


MSW-404

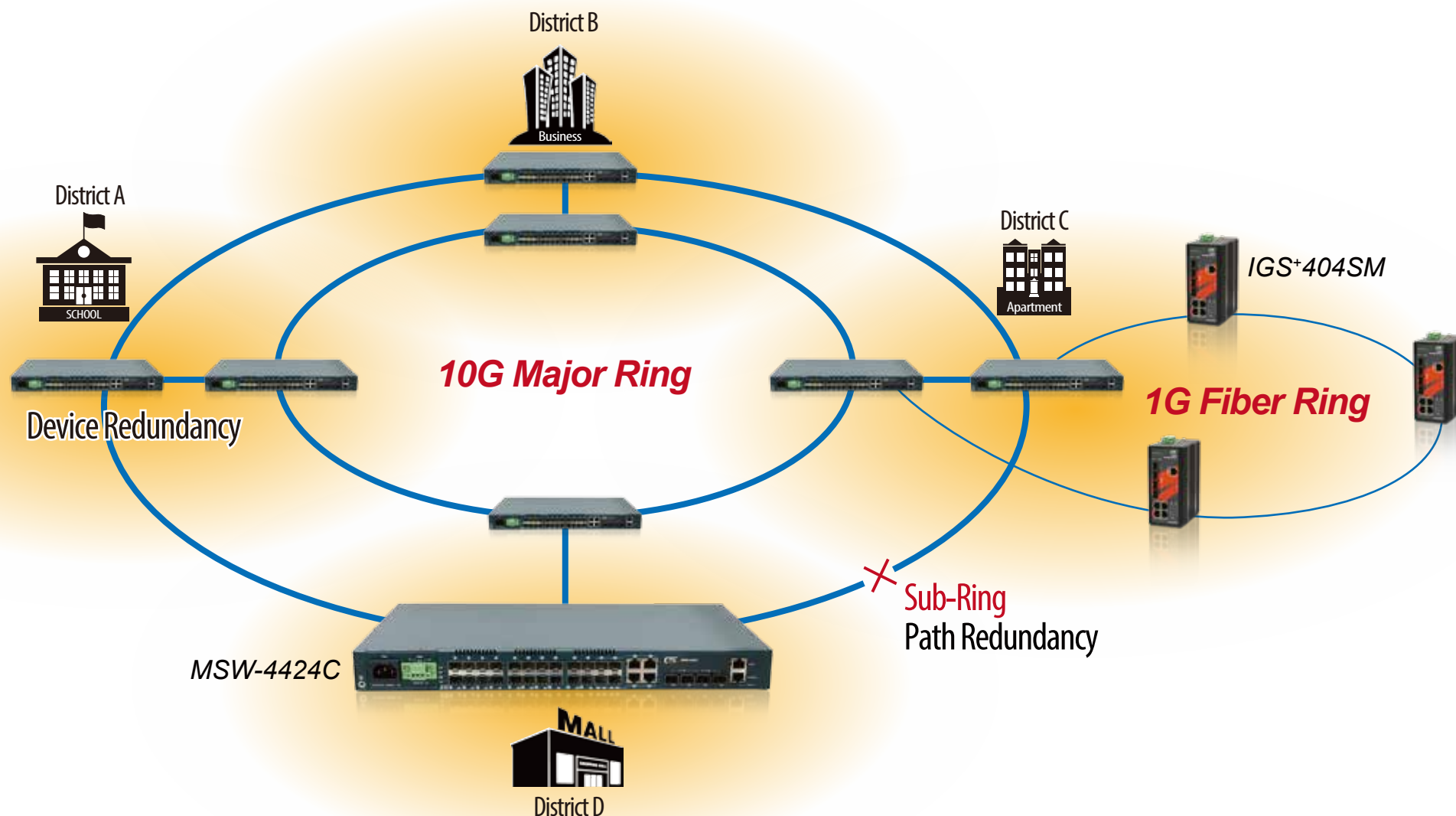
CE^{2.0}

- 4 ports GbE RJ45 + 4 ports 100/1000Mbps SFP slots
- CE2.0 standards compliant (E-Line, E-LAN, E-Tree service)
- Supports 9.6K Bytes jumbo frame
- ITU-T G.8032 Ethernet ring protection
- IPv6 support
- Fully Ethernet OAM support
- **RFC2544 & ITU-T Y.1564** tester function
- MPLS-TP compliant to ITU-T G.8113.1

▼ Application



Mobile Backhaul for Smart City Application / MSW-4424C with μ -Ring



MSW-4424C with μ -Ring Enabled

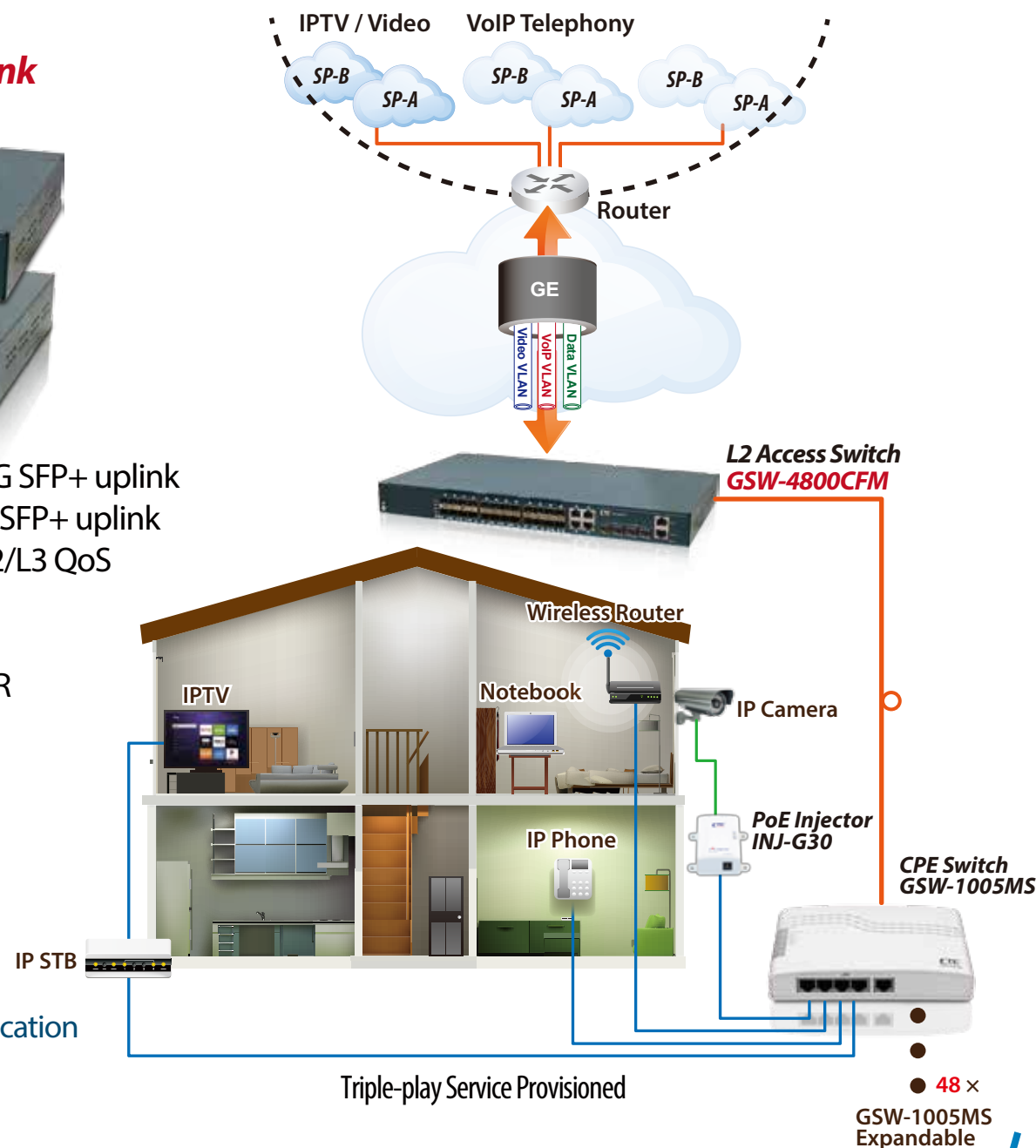
L2 Access Switch

Supports 48 × Fiber Link



- 20×GbE CSFP + 4×GbE combo ports + 4×1G/10G SFP+ uplink
- 20×GbE SFP + 4×GbE combo ports + 4×1G/10G SFP+ uplink
- IEEE 802.1Q tagged VLAN, QinQ (VLAN stacking) , L2/L3 QoS
- IEEE 802.1D STP / 802.1w RSTP / 802.1s MSTP
- DHCP option 82 / DHCP snooping
- IGMP snooping v1/v2/v3, MLD snooping v1, MVR
- Broadcast / Multicast / Unicast storm control
- IPv6 management

► Fiber to the Home Triple-Play Application



● 48 ×
GSW-1005MS
Expandable

CPE Switch

- Supports flow control enabled or disabled
- 9K Bytes jumbo frame
- IEEE 802.1Q tagged VLAN and Q-in-Q
- Port based Egress/Ingress bandwidth control
- IGMP snooping v1/v2/v3, MLD snooping v1
- Broadcast/multicast storm suppression
- Web GUI, SNMP management
- **DHCP auto provisioning**
- SFF-8472 DDMI
- **Cable tray optionally**



GSW-2008MS



GSW-1005MS

▼ Cable Tray for fiber Management Application

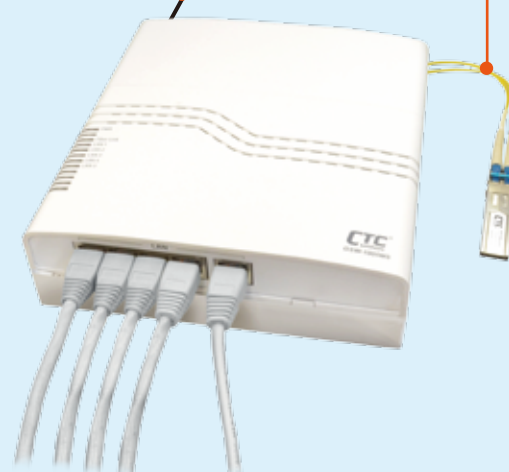
CT001 (Cable Tray)

Fiber Cable
OD: 2.8mm (max.)



Power Adapter Cable

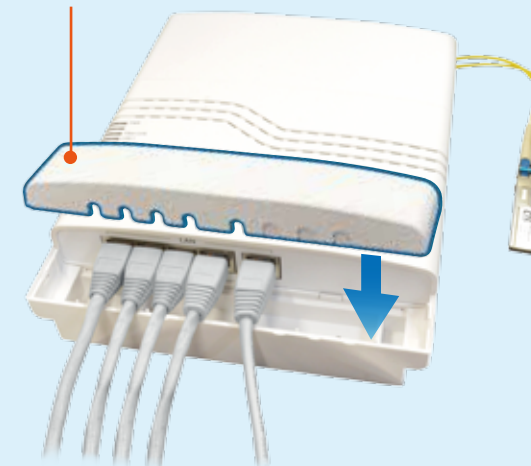
Fiber Cable



CT001 with GSW-1005MS

CT002 (Cable Protector)

RJ45 Cable Protector



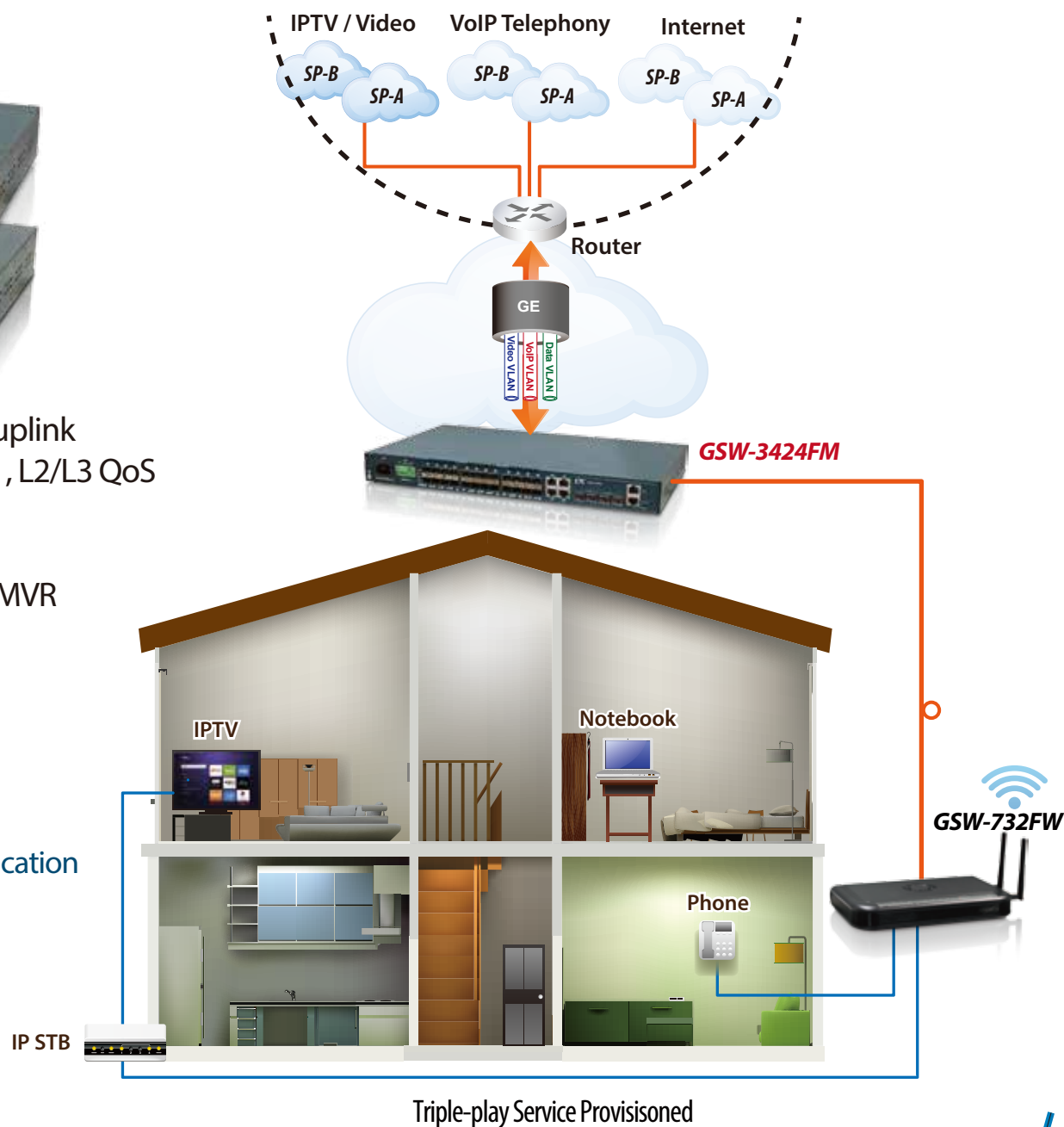
CT002 with GSW-1005MS

L2 Access Switch



- 24*GbE SFP + 4*GbE RJ45 + 4*1G/10G SFP+ uplink
- IEEE 802.1Q tagged VLAN, QinQ (VLAN stacking) , L2/L3 QoS
- IEEE 802.1D STP / 802.1w RSTP / 802.1s MSTP
- DHCP option 82 / DHCP snooping
- IGMP snooping v1/v2/v3, MLD snooping v1, MVR
- Broadcast / Multicast / Unicast storm control
- IPv6 management

► Fiber to the Home Triple-Play Application



Fiber IAD

- WAN port : Static IP/PPPoE/DHCP
- Supports bridge and NAT mode
- IEEE 802.1Q tagged VLAN
- IEEE 802.1p / DSCP QoS
- Port based rate limit control
- IGMP snooping v1/v2
- DMZ/port forwarding/port trigger
- RFC 3261 SIP
- DHCP auto provisioning
- **TR-069**
- IEEE 802.11ac WiFi (GW-732FW)



Model Name	Voice Interface	Network Interface (eth)					USB2.0
	FXS	Copper WAN	Optical WAN	LAN (GbE)	2.4G 802.11n WLAN	5G 802.11ac WLAN	
GW-732FW	2	1	1	4	2 * 2	2 * 2	2

L2 Managed Switch

- 20 × 10/100/1000Base-T RJ45 + 4 × GbE combo ports uplink
- IEEE 802.1Q tagged VLAN, QinQ (VLAN stacking) , L2/L3 QoS
- IEEE 802.1D STP / 802.1w RSTP / 802.1s MSTP
- Static aggregation, IEEE 802.3ad LACP
- DHCP option 82 / DHCP snooping
- IGMP snooping v1/v2/v3, MLD snooping v1, MVR
- Broadcast / Multicast / Unicast storm control
- L2 ~ L4 ACL (256 entries)
- IPv6 management



GSW-3424M1

L2 Managed Switch

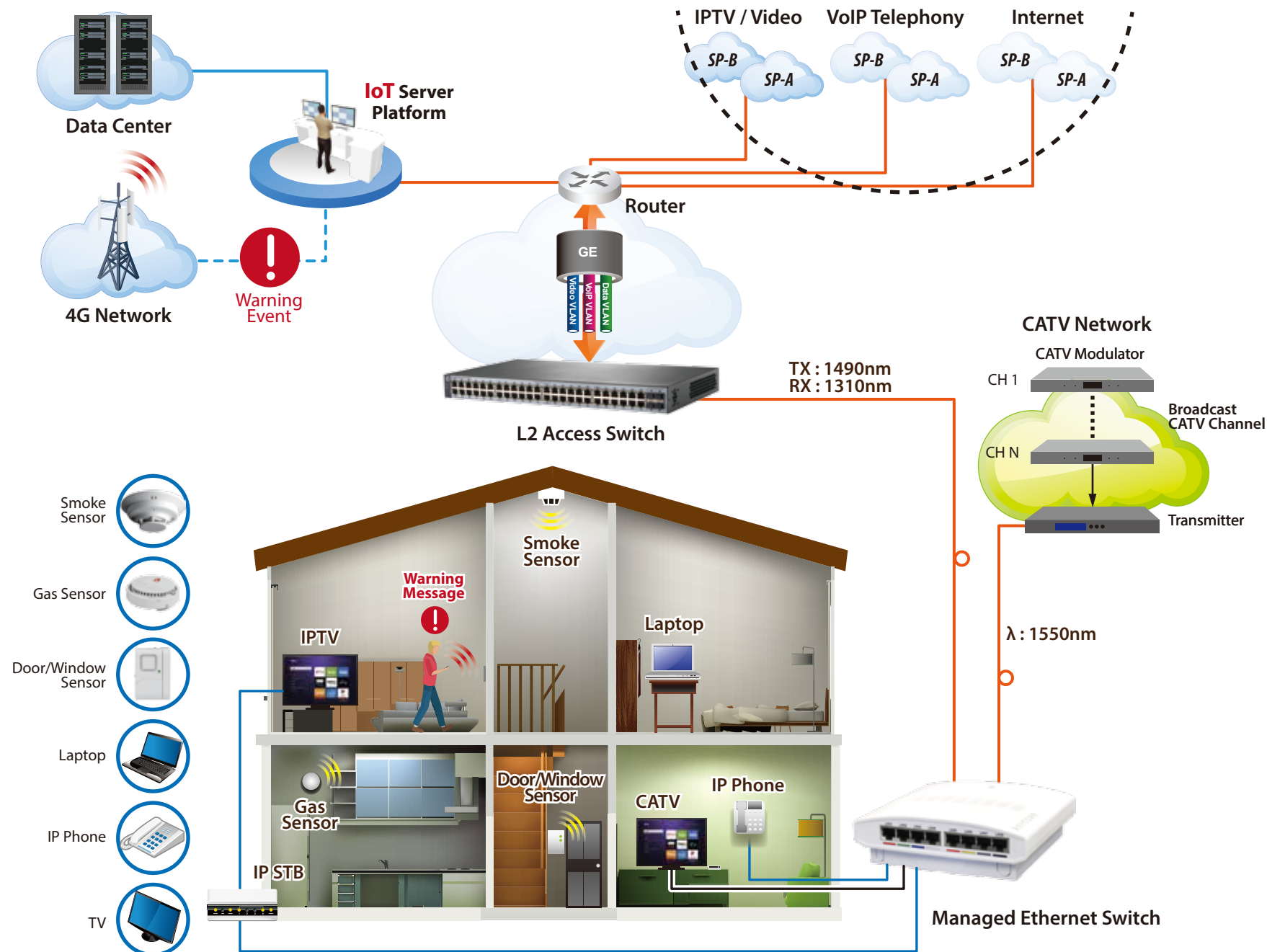


GSW-3208M2



GSW-3208M2-BC

- 8 × 10/100/1000Base-T RJ45 + 2 × 100/1000Base-X SFP slots
- Fully front access design
- **Optionally support dual power redundancy** (GSW-3208M2)
- **supports external battery charging** (GSW-3208M2-BC)
- **Dying gasp** (SNMP trap message)
- IEEE 802.1Q tagged VLAN, QinQ (VLAN stacking), VLAN translation L2/L3 QoS
- IEEE 802.1D STP / 802.1w RSTP / 802.1s MSTP
- DHCP option 82 / DHCP snooping
- IGMP snooping v1/v2/v3, MLD snooping v1, MVR
- Broadcast / Multicast / Unicast storm control
- IPv6 management



L2 Managed PoE Switch



GSW-3208MP



GSW-3216MP

- 8 ports / 16 ports PoE/PSE GbE switch
- IEEE 802.1Q tagged VLAN, QinQ (VLAN stacking), L2/L3 QoS
- IEEE 802.1D STP / 802.1w RSTP / 802.1s MSTP
- DHCP option 82 / DHCP snooping
- IGMP snooping v1/v2/v3, MLD snooping v1, MVR
- Broadcast / Multicast / Unicast storm control
- IPv6 management

PoE feature highlights

- Supports IEEE 802.3af/802.3at
- **Max. power budget 150W**
- Dynamic power allocation
- Auto disable after exceeding power budget
- Total PoE power budget control
- Per port PoE function enable/disable
- PoE port power priority
- Per PoE port power limit
- PD classification detection

L2 Managed PoE Switch



GSW-3224MP

- 24 ports PoE/PSE GbE switch
- IEEE 802.1Q tagged VLAN, QinQ (VLAN stacking), L2/L3 QoS
- IEEE 802.1D STP / 802.1w RSTP / 802.1s MSTP
- DHCP option 82 / DHCP snooping
- IGMP snooping v1/v2/v3, MLD snooping v1, MVR
- Broadcast / Multicast / Unicast storm control
- IPv6 management

PoE feature highlights

- Supports IEEE 802.3af/802.3at
- **Max. power budget 450W**
- Dynamic power allocation
- Auto disable after exceeding power budget
- Total PoE power budget control
- Per port PoE function enable/disable
- PoE port power priority
- Per PoE port power limit
- PD classification detection