











Nowadays, FTTH has been a booming and universally known technology for the next generation broadband residential service in the world. With the advantages of high speed throughput and bandwidth scalability of fiber access technology, FTTH deployment has become the best choice for operators and service providers to provision more home entertainment options such as high-speed internet access, toll quality voice service as well as high definition IPTV services. CTC Union, as being a fiber total solution provider, unveils the FTTH active Ethernet solution for both access and CPE site as well.

## FTTH for Node Solution

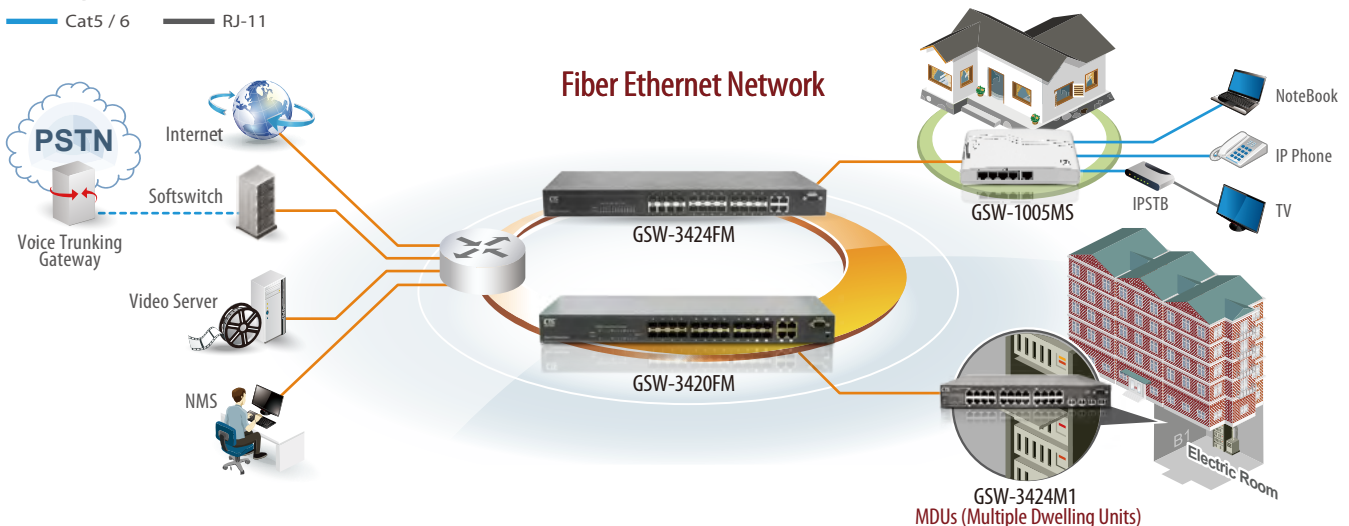
<p><i>NEW</i></p>  <p><b>L2 Gigabit OAM Managed Fiber Access Switches</b> <b>MSW-4424C</b></p> <ul style="list-style-type: none"> <li>• 20x GbE, SFP slots + 4x GbE, Combo ports (SFP or RJ45) + 4x 10GbE SFP+</li> <li>• Power redundancy, 10k bytes Jumbo frames</li> <li>• Web / CLI / SNMP management</li> <li>• IEEE802.3ah / IEEE802.1ag / ITU-T.Y.1731 OAM management</li> <li>• Sync. Ethernet &amp; IEEE 1588 v2 (Optional)</li> </ul>	<p><i>NEW</i></p>  <p><b>L2 Managed Ethernet Switch</b> <b>GSW-3424FM</b></p> <ul style="list-style-type: none"> <li>• 24 x 100/1000Base-X SFP slots + 4 x GbE combo ports (10/100/1000Base-T or 1000Base-X)</li> <li>• IEEE 802.1x security function, and VLAN assignment, Guest VLAN functions</li> <li>• IP Multicast with IGMP snooping/ query/ fast leave/ filtering/ group limited/ MVR</li> <li>• ACL function for L2 ~ L4 packet control, Ingress/Egress rate control on port.</li> </ul>	 <p><b>L2 Managed Ethernet Switch</b> <b>GSW-3420FM</b></p> <ul style="list-style-type: none"> <li>• 20 x 100/1000Base-X SFP slots + 4 x GbE combo ports (10/100/1000Base-T or 1000Base-X)</li> <li>• IEEE 802.1x security function, and VLAN assignment, Guest VLAN functions</li> <li>• IP Multicast with IGMP snooping/ query/ fast leave/ filtering/ group limited/ MVR</li> <li>• ACL function for L2 ~ L4 packet control, Ingress/Egress rate control on port.</li> </ul>	 <p><b>L2 managed Ethernet Switch</b> <b>GSW-3424M1/3216M1/3208M1</b></p> <ul style="list-style-type: none"> <li>• 20x 10/100/1000Base-T + 4x GbE Combo Ports (<b>GSW-3424M1</b>)</li> <li>• 16x 10/100/1000Base-T + 2x GbE SFP (<b>GSW-3216M1</b>)</li> <li>• 8x 10/100/1000Base-T + 2x GbE SFP (<b>GSW-3208M1</b>)</li> <li>• 8 priority queues are supported on each port for QoS application</li> <li>• Port-based VLAN, 802.1Q VLAN, Voice VLAN and Qin-Q</li> <li>• IPv6 Management</li> </ul>
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## FTTH for Premises Solution

 <p><b>GbE Fiber IAD</b> <b>GW532FW</b></p> <ul style="list-style-type: none"> <li>• Per port based NAT/bridge hybrid mode</li> <li>• IEEE 802.1Q tagged VLAN</li> <li>• IEEE 802.1p / DSCP QoS</li> <li>• IGMP snooping v1/v2</li> <li>• IEEE 802.11n draft WiFi</li> <li>• TR-069/TR-104 (optional)</li> </ul>	 <p><b>FTTx CPE Ethernet Switch</b> <b>GSW-1005MS</b></p> <ul style="list-style-type: none"> <li>• 5x GbE RJ45 to 1x dual rate SFP uplink</li> <li>• IEEE802.1Q tagged VLAN &amp; IEEE802.1ad Qin-Q</li> <li>• IEEE802.1p 8 priority queues per port</li> <li>• Per port based egress/ingress rate limit control</li> <li>• IGMP snooping v1/v2/v3</li> </ul>	 <p><b>FTTx CPE Ethernet Switch</b> <b>GSW-2008MS</b></p> <ul style="list-style-type: none"> <li>• 8x GbE RJ45 to 2x dual rate SFP uplink</li> <li>• IEEE802.1Q tagged VLAN &amp; IEEE802.1ad Qin-Q</li> <li>• IEEE802.1p 8 priority queues per port</li> <li>• Per port based egress/ingress rate limit control</li> <li>• IGMP snooping v1/v2/v3</li> </ul>	 <p><b>Web Smart GbE OAM/IP Media Converter</b> <b>FTH4-1000MS &amp; FTH4-100M</b></p> <ul style="list-style-type: none"> <li>• Supports 802.3ah OAM/IP in-band management</li> <li>• Auto-Negotiation or Manual mode in TP port</li> <li>• Auto-Cross over for MDI/MDIX in TP port</li> <li>• Supports flow control Enable or Disable</li> </ul>
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## FTTH Application

— FIBER     - - - - E1  
— Cat5 / 6     — RJ-11



• The specification and pictures are subject to change without notice.