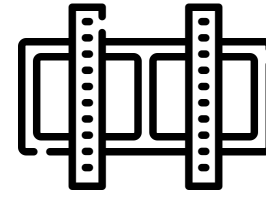


## GWN7832 vs Industry Competition



### Switching Capacity

The switching capacity of the GWN7832 is 240Gbps which is higher than the TP-Link TL-SX3008F and Unifi USW Aggregation with both competitor's models having a switching capacity of 160Gbps. This indicates that the GWN7832 has the ability to exchange more data than its competitors.





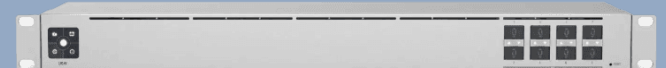
### Mounting

The GWN7832 is desktop, wall and rack mountable making this switch easy to set up and convenient to use as compared to the TP-Link TL-SX3008F and Unifi USW Aggregation which are only rack mountable switches.



### Pricing

The GWN7832 is very reasonably priced for a Layer 3 aggregation switch at \$279 whilst boasting superior features compared to its competitors with regards to switching capacity, power supply and SFP+ ports. The TP-Link TL-SX3008F and Unifi USW aggregation are priced slightly cheaper at \$253 and \$269 respectively but out Layer 2 switches unlike the GWN7832 which is a Layer 3 aggregation switch.

	 <b>GWN7832</b>	 <b>TP-LINK TL-SX3008F</b>	 <b>Unifi USW Aggregation</b>
<b>Type of Switch</b>	Layer 3 Aggregation Switch	Layer 2+ Managed Switch	SMB Layer 2 Switch
<b>Gigabit SFP+ Ports</b>	12	8	8
<b>Maximum No. of Supported Modules</b>	SM-10G: 12 MM-10G: 12 RJ45-10G: 6	N/A	UACC-OM-MM-10G: 8 UACC-OM-SM-10G: 8 UACC-CM-RJ45-10G: 4 UACC-CM-RJ45-MG: 4
<b>Integrated Power Supply</b>	60W	15.46W	30W
<b>External Redundant Power Supply (RPS)</b>	12V/60W	N/A	N/A
<b>Auxiliary Ports</b>	1x Auxiliary Port (Reset Pinhole)	1x RJ45 Console Port and 1x Micro-USB Console Port	N/A
<b>Total non-blocking throughput</b>	120Gbps	80Gbps	80Gbps
<b>Switching Capability</b>	240Gbps	160Gbps	160Gbps
<b>Forwarding Rate</b>	80.352Mpps	119.04Mpps	119.04Mpps
<b>Packet Buffer</b>	16Mb	16Mb	N/A
<b>Switching</b>	<ul style="list-style-type: none"> <li>• 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN</li> <li>• VLAN virtual interface</li> <li>• GVRP(pending)</li> <li>• 6 link aggregation</li> <li>• Spanning tree, 64 instances for STP/RSTP/MSTP</li> </ul>	<ul style="list-style-type: none"> <li>• 4K VLANs, voice VLAN, private VLAN, 802.1Q tagged VLAN, VLAN group</li> <li>• Spanning tree protocol (STP)</li> <li>• Up to 8 aggregation groups, contains 8 groups per port</li> </ul>	N/A
<b>Routing</b>	<ul style="list-style-type: none"> <li>• Static routing</li> <li>• Dynamic routing, including RIP, RIPng, OSPF and OSPFv3</li> <li>• Policy routing(pending)</li> <li>• DHCP server, DHCP relay, Option 82, 60, 160 and 43</li> </ul>	<ul style="list-style-type: none"> <li>• Static Routing</li> <li>• DHCP server, DHCP relay, DHCP VLAN replay and DHCP L2 relay</li> </ul>	N/A
<b>QoS/ACL</b>	2K ACL for Ethernet, IPv4 and IPv6	ACL for IPv4 and IPv6	N/A
<b>Mounting</b>	Desktop, Wall-Mount or Rack-Mount(rack-mounting kits included)	Rack Mount	Rack Mount
<b>LEDs</b>	1x tri-color LED for device tracking and status indication and 2x bi-color LEDs for per power supply PWR&RPS	N/A	1x LED for system and 1x LED for link/activity
<b>Fan</b>	2	Fanless	Fanless
<b>Dimensions</b>	440mm(L)x200mm(W)x44mm(H)	440mm(L)x180mm(W)x44mm(H)	442.4mm(L)x120mm(W)x43.7mm(H)
<b>Unit Weight</b>	2.67Kg	1.64Kg	2.7Kg
<b>Network Management</b>	Free management with GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform	Free management with Omada Cloud-Based Controller, Omada Hardware Controller (OC300), Omada Hardware Controller (OC200) and Omada Software Controller	Free management with the Unifi network application and mobile app
<b>Compliance</b>	FCC, CE, RCM, IC, UKCA	FCC, CE, RoHS	FCC, CE, IC
<b>List Price</b>	\$279	\$253	\$269