GRANDSTREAM

GWN7813P vs. Industry Competition

Quality of Service
The GWN7813P and D-Link DGS-3630-28PC have QoS whereas the Unifi USW-Pro-24-PoE does not have QoS thereby reducing the quality and reliability of the product.

PoE++
The GWN7813P and Unifi USW-Pro-24-PoE both have PoE++ on 8 out of the 24 ports indicating that these 2 products can support higher power wattage such as video conferencing systems, televisions, etc. The D-Link DGS-3630-28PC supports only Poe+ thereby making this product not as powerful as the other 2 competitors.

Forwarding Rate
The GWN7813P and D-Link DGS-3630-28PC both have the same forwarding rate of 95.232 Mega Packets Per Sound which means that these switches will process the number of network packets quicker than the Unifi USW-Pro-24-PoE which has a forwarding rate of 65.472Mpps.

List Price
The GWN7813P is the most cost effective model having a lit price of $459 as compared to the Unifi USW-Pro-24-PoE that has a list price of $589 and the features of the GWN7813P are superior. The D-Link DGS-3630-28PC is priced exorbitantly higher at 2200 which is almos 5 times higher than the GWN7813P even though the features are pretty much similar. The GWN7813P definitely offers the best value for money.

	GWN7813P	Unifi USW-Pro-24-PoE	D-Link DGS-3630-28PC
Gigabit Ethernet Ports	24	24 GbE RJ45 Ports	20x 10/100/1000BASE-T PoE ports, 4x Combo 10/100/1000BASE-T PoE/SFP ports
Gigabit SFP Ports	4 (10 Gigabit SFP+ Ports)	2 (1/10 Gigabit SFP+ Ports)	4 (10 Gigabit SFP+ Ports)
Serial Console Port	1	-	1
Number of PoE Ports	24	(16) PoE/PoE+ (Pins 1, 2+; 3, 6-) (8) 60W PoE++; PoE/PoE+ (Pins 1, 2+; 3, 6-) / PoE++ (Pair A 1, 2+; 3, 6-) (Pair B 4, 5+; 7, 8-)	24
Max Output Power Per PoE Port	60W(1-8,PoE++), 30W(9-24,PoE+)	64W(PoE++), 32W(PoE+)	30W
Max Total PoE Output Power	360W	400W	370W
PoE Standard	IEEE 802.3af/at/bt	IEEE 802.3af/at/bt	IEEE 802.3af/at
Auxillary Ports	1x Reset Pinhole	No Auxillary Port	1x USB 2.0 Type A Port
Total Non-Blocking Throughput	64 Gbps	44 Gbps	64 Gbps
Switching Capability	128 Gbps	88 Gbps	128 Gbps
Forwarding Rate	95.232 Mpps	65.472 Mpps	95.232 Mpps
Packet Buffer	12MB	-	-
Switch Configuration	4k VLAN supported, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN, VLAN virtual interface and spanning tree configuration	Network/VLAN configuration, 802.1X control and radius VLAN and spanning tree configuration	VLAN mirroring, port-based VLAN, voice VLAN, 802.1v Protocol-based VLAN,
QoS/ACL	Yes	No	Yes
Fan	3 fans	fanless	4 smart fans
Mounting	Desktop, Wall-Mount and Rack-mount (rack-mounting kits included)	Wall-mountable with mount brackets (kit included)	Wall-mountable
Compliance	FCC, CE, RCM, IC, UKCA	FCC, CE, IC	CE, FCC Class A, C-Tick, VCCI, BSMI, CCC
Management	Device management via SNMP, RMON, CLI, HTTPS, TR069, GWN Manager, GWN.Cloud	Device Management via Unifi Controller	Device management via nuclias connect
List Price	$459	$589	$2200