

# GWN7001 vs. Industry Competition



## Firewall

The GWN7001 and TP-Link TL-ER7206 are equipped with firewall features, whereas the TRENDnet TWG-431BR is not equipped with firewall features indicating that the TWG-431BR is not as secure and does not monitor incoming devices as the GWN7001 and TP-LINK TL-ER7206 do.



## Throughput

The NAT Throughput of the GWN7001 is 2.2Gbps which is significantly higher than the TRENDnet TWG-431BR and the TP-Link L-ER7206 which have NAT Throughput speeds of 900Mbps and 940.3Mbps respectively. The GWN7001 also has a higher IPsec VPN throughput at 530Mbps as compared to the TRENDnet TWG-431BR which has a speed of 200Mbps and the TP-Link TL-ER7206 which has a speed of 291.6Mbps






## Mounting

The GWN7001 is both wall mountable and desktop mountable making it very easy to set up and convenient to use as compared to the TRENDnet TWG-431BR and TP-Link TL-ER7206 that are only rack mountable and need to be purchased in addition to the router resulting in extra overhead costs.



## QoS

The GWN7001 and TRENDnet TWG-431BR are equipped with QoS whereas the TP-Link TL-ER7206 does not have QoS thereby compromising the quality and reliability of the product as compared to the GWN7001 and the TWG-431BR

	 <b>GWN7001</b>	 <b>TRENDnet TWG-431BR</b>	 <b>TP-LINK TL-ER7206</b>
Memory and NAT Sessions	256MB RAM, 256MB Flash, 30K NAT sessions	50K concurrent sessions	512MB RAM, SPI 4MB + NAND 128MB Flash, 150K concurrent sessions
Network Interfaces	6 x Gigabit Ethernet Ports (All ports WAN/LAN configurable)	5x Gigabit Ports (Modes: 4 WAN ports/1 LAN port or 1 WAN port/4 LAN ports) and 1x console port	6x Gigabit Ports - 1 Fixed Gigabit SFP WAN Port, 1 Fixed Gigabit RJ45 WAN Port, 2 Fixed Gigabit RJ45 LAN Ports and 2 Changeable Gigabit RJ45 WAN/LAN Ports
NAT Throughput	2.2Gbps	900Mbps	940.3Mbps
IPsec VPN Throughput	530Mbps	200Mbps	291.6Mbps
Auxiliary Ports	1x USB 2.0 port, 1x Reset Pinhole	1x USB 3.0 port	Reset button
LEDs	8x single color LEDs for device tracking and status indication	LED indicators present	PWR, SYS, SFP WAN, WAN (Speed, Link/act) and LAN (Speed, Link/act)
QoS	VLAN, TOS, Support multiple traffic classes, filter by port, IP address, DSCP, and policing, App Qos, VoIP Prioritization	Bandwidth Control: applicable by IP network, IP range, TCP/UDP port, SIP, RTSP, RTP, web	No QoS
Firewall	DDNS, Port Forwarding, DMZ, UPnP, Anti-DoS, traffic rules, NAT, ALG	No firewall	SPI firewall
Security	Application/protocol monitoring and traffic statistics, Content filtering: Supports Application/URL/DNS/Web Content Filtering, Safe search	Manage screen time, filter content, track web use and browsing history, as well as device level controls and more. Advanced web content filtering service powered by Router Limits	VPN Passthrough, FTP/H.323/PPTP/SIP/IPsec ALG, DoS Defence, Ping of Death, Local Management, Web group filtering, URL filtering and Web Security
Max concurrent VPN tunnels	Up to 50 tunnels	Up to 30 tunnels	100 IPSec VPN Tunnels, 50 PPTP VPN Tunnels, 50 L2TP Tunnels and 50 Open VPN Tunnels
Power Adaptor	Input: 100-240VAC 50-60Hz Output: 12V DC 1A (12W)	Input: 100 - 240V AC, 50/60Hz, 0.5A Output: 12V DC, 1.5A external power adapter	Input: 100-240V 50-60Hz
Mounting	Desktop and wall-mounting	Rack mount 1U Height	Rack Mount 1.3U
Dimensions L x W x H	246mm x 235mm x 54mm	265mm x 185mm x 44.45mm	226mm x 131mm x 35mm
Network Management	GWN7001 embedded controller can manage itself and up to 100 GWN APs Free-of-cost cloud management through GWN.Cloud	CLI (Console/Telnet/SSHv2) command line management	Paid management through Omada Cloud-Based Controller and Omada Software Controller
Compliance	FCC, CE, RCM, IC, UKCA	FCC, CE	FCC, CE, RoHS