



What is a Security Appliance?

The difference between a “security appliance,” a “UTM (universal threat management)” and a “Firewall Gateway” from a router, is that security means, it includes subscription services in the box (Antivirus, Content Filtering, IDP and Antispam).

Instead of relying on, for example, Antivirus on desktops to stop malware, the antivirus resides in the security appliance (our USG gateway). This is known as the first layer of defense. The malware is not allowed to enter the network so that, desktops are not the sole line of defense against attacks.

The important thing to remember about a security appliance is, how much data throughput the appliance allowing. The last thing one wants is a box that slows down internet traffic. If an ISP is providing 50Mbps throughput, and your security gateway has a UTM throughput of 30Mbps, there is a very good chance of creating a bottleneck at the appliance.

Determining the correct appliance for a customer is as simple as asking three questions:

- Will they require “services” at the appliance?
 - If yes, then you must look at the UTM throughput as the speed of the data throughput.
- How much Bandwidth (throughput speed) is their ISP providing them?
 - More and more businesses are opting for 50 and 100Mbps. Who knows what it's going to look like in a couple of years!
- How many users will be behind the Appliance?

The answers to those questions will make it easier to use the charts below in determining the appropriate appliance.



Next-Gen USG Quick Finder

Model	USG40/40W	USG60/60W	USG110	USG210	USG310	USG1100	USG1900
Description	Performance Series		Advanced Series			Extreme Series	
Firewall throughput	400 Mbps	1.0 Gbps	1.6 Gbps	1.9 Gbps	5.0 Gbps	6.0 Gbps	7.0 Gbps
VPN throughput	100 Mbps	180 Mbps	400 Mbps	500 Mbps	650 Mbps	800 Mbps	900 Mbps
UTM throughput (AV and IDP)	50 Mbps	90 Mbps	250 Mbps	300 Mbps	400 Mbps	500 Mbps	600 Mbps
Max. TCP concurrent sessions	20,000	40,000	60,000	80,000	100,000	300,000	500,000
Recommended # of users	1 - 10	10 - 25	25 - 50	50 - 75	75 - 200	200 - 350	350 - 500
Wi-Fi	802.11 b/g/n 2.4 GHz	802.11 a/b/g/n Concurrent 2.4 & 5 GHz	-	-	-	-	-
Managed AP number (default/max.)	2/10	2/10	2/18	2/18	2/18	2/18	2/18
UTM licenses	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multi-WAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Unified security policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL inspection	-	-	Yes	Yes	Yes	Yes	Yes
Device HA	-	-	Yes	Yes	Yes	Yes	Yes
Port grouping	Yes	Yes	Yes	Yes	-	-	-

For more information, visit www.gnswireless.com