



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