ECESSA™

Innovative Solutions. Trusted Performance. Intelligently Engineered.

Comparison of Firewall and **Ecessa Solutions**

Technology Brief

How Are These Solutions Different?

Firewalls are used for exactly what their name indicates, to create a barrier between your internal network and the outside world. Why? For security. These devices have become a standard, must-have device for 20 years. Over that time Firewalls have evolved to keep up with more complex threats and sophisticated attacks, including Next Generation Firewalls (NGFW) and Unified Threat Management (UTM) features. These innovations have created highly specialized appliances that are great at inspecting large amounts of data, detecting the latest malware and email threats, alerting against DDOS attacks, and helping your business meet new, stringent compliance requirements such as PCI and HIPAA.

In contrast, Ecessa solutions were purpose-built to connect your business to the outside world. Why? For connectivity. With more and more of our daily business applications being pushed to the Cloud (Salesforce.com, Office 365, Google Apps, Citrix), there was a need to optimize and guarantee access to the Internet. To support this, Ecessa is great at combining multiple Internet connections, from any provider (MPLS, T1, Cable, DSL, Wireless) into one robust link. These appliances use features such as failover, Quality of Service (QoS), load balancing, performance metrics and alerts, and Software Defined Wide Area Networking (SD-WAN) to make the most of your connections and eliminate outages.

To confuse matters, both Firewalls and Ecessa products offer features that overlap with one another. Why? Flexibility. Depending on your network, an Ecessa device with a Firewall or a Firewall with dual-WAN failover may meet your needs. The Ecessa products will not offer those advanced features like NGFW or UTM as the Firewall will not offer inbound and outbound failover and load balancing.

Which Solution Is Right For Your Business?

Performance demands are increasing on your network every day. To get the job done right and provide the best solution for your business, you'll need both. Dedicated firewalls with advanced features are essential for today's network security, and you probably already have one you love – keep it. If you are looking to improve access to the Internet, add bandwidth, eliminate outages or renegotiate ISP contracts to save investment, you need a dedicated SD-WAN solution. Ecessa devices easily integrate into your existing network and do not require you to change your IP addresses, modify your architecture or remove any of your existing equipment.

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Ecessa and Firewall Comparison

Below are some details highlighting the differences between Firewalls and Ecessa solutions.

	ECESSA	cisco	SONICWALL	WatchGuard	FORTINET	paloalto NETWORKS	SOPHOS	Check Point SOFTWARE TECHNOLOGIES LTD.	Barracuda
Networking: Capability to participate in enterprise network routing, IP assignment (DHCP), traffic management (QoS), DNS, NAT, and server failover features. SNMP compliant alerts.	✓	✓	✓	✓	✓	✓	✓	✓	✓
Basic Security: Provide port based policy rules and ACL for securing the network; deny unauthorized users (DoS, DDoS attacks). DMZ capability for LAN.	✓	✓	✓	✓	✓	✓	✓	✓	✓
Advanced Security: Provide web and email protection (spyware and malware detection), content filtering, and application inspection; NGFW, UTM.		✓	✓	✓	✓	✓	✓	✓	✓
VPN: Host VPN connections natively and interoperate with other vendors (IKEv1, IKEv2 w/ 128 & 256-bit encryption).	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connectivity: Integrate bandwidth from 3 or more connections; work with any technology (Broadband, MPLS, T1, DSL, Cellular, Microwave).	✓	✓							
Outage Avoidance: Provide fast, automatic failover and failback, inbound and outbound load balancing, and upgradable to advanced SD-WAN features to provide zero outage protection.	✓	✓							
Total Cost of Ownership: Relative cost of solution; HW plus SW licenses and support.	$	$$$	$	$$	$$	$$	$	$$$	$$$

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