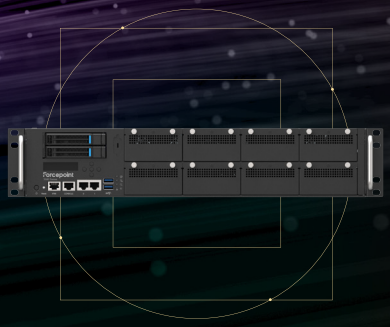
Forcepoint

Datasheet

Next-Generation Firewall

3500 Series

Modular high-performance connectivity and security for campus networks and data centers



Key Benefits:

- Up to 600 Gbps throughput
- Up to 66 Ethernet ports via modular I/O interfaces supporting a variety of speeds up to 100 Gbps
- Compact 2U rack-mounted design
- Multi-ISP SD-WAN and site-to-site Multi-Link™ VPN connectivity and optimization
- High-availability clustering
- High-security NGFW with anti-evasion technology and endpoint-aware policy enforcement
- Application Health Monitoring dashboards to spot network issues before they become network-wide problems
- Centralized management of up to 6,000 appliances at once
- Security policy and software updates with just a few clicks
- Integration with Forcepoint ONE SSE solutions (SWG, CASB, ZTNA)
- Built-in ZTNA App Connector simplifies deployment of ZTNA, eliminating the need for VPNs to access private apps
- Optional Advanced Malware Detection & Protection (AMDP)
- Optional URL Filtering powered by Forcepoint ThreatSeeker

The Forcepoint NGFW 3500 series delivers high-speed networking with strong protection for campus environments in a compact, 2U rack-mounted appliance. It combines Multi-Link™ SD-WAN connectivity and high-availability active-active clustering with Next-Generation Firewall (NGFW) security, advanced Intrusion Prevention Security (IPS), and anti-malware blocking. The 3500 series is centrally managed via Forcepoint's renowned Secure SD-WAN Manager Console (SMC).

Direct-to-cloud SASE connectivity and security for the hybrid enterprise

Digital transformation is all about connecting distributed workforces to the resources they need, no matter where they are. With applications and data moving to the cloud, organizations are increasingly finding that old "hub-and-spoke" networking, like MPLS, can no longer handle the load. The Forcepoint NGFW 3500 Series provides the networking and security needed to safely connect campus networks and data centers to the internet for maximum performance and productivity using the cloud. The 3500 Series' eight I/O module slots support 1 Gbps to 100 Gbps Ethernet interfaces, allowing organizations to tailor the appliance to their exact connectivity needs.

Reduced costs and footprint with integrated SD-WAN, NGFW, IPS and VPN

The Forcepoint NGFW 3500 Series unites networking and security in a modular 2U rack-mounted appliance. It integrates multi-ISP SD-WAN connectivity, site-to-site Multi-Link™ VPN, and high-availability active-active clustering with the industry's strongest NGFW and IPS. All Forcepoint NGFW appliances, physical as well as virtual, can be centrally administered together, using Forcepoint Secure SD-WAN Manager Console (SMC). Firewalls can be deployed across geographies quickly, without an on-site technician, and updated with just a few clicks.

Advanced clustering for high availability

Downtime is not an option for many organizations. That's why the Forcepoint NGFW 3500 Series offers advanced clustering that allows multiple appliances (including other models of Forcepoint NGFW) to be used together to keep campus networks running even in the middle of software updates or hardware failure. Built-in SD-WAN traffic management enables links from more than one ISP to be used at the same time to further reduce the risk of outages. Redundancy in the management console and log services enables global deployments and the highest levels of uptime.

PERFORMANCE[1]	N3510
NGFW/NGIPS throughput (HTTP 64kB payload)	140 Gbps
Max firewall throughput (UDP 1518 byte payload)	600 Gbps
Max inspection throughput (UDP 1518 byte payload)	70 Gbps
Threat Prevention Throughput	50 Gbs
TLS 1.2 inspection (44kB payload)	40 Gbps
IPsec VPN AES-GCM-256	150 Gbps
Mobile VPN clients	Unlimited
Max concurrent IPsec VPN SAs	280,000
Max concurrent inspected HTTP connections	8 Million
Max concurrent connections	200 Million
New TCP connections/sec	1.4 Million
VLAN tagging	Unlimited
Virtual contexts default/max	25/250
Max concurrent ZTNA users	2500

1 Performance values reflect maximums measured under test conditions and may vary based on configuration and features enabled

INTERFACES	N3510
Fixed Ethernet interfaces	2 x 1 Gbps Ethernet RJ45
Gb Ethernet - copper ports	2-66
10 Gb Ethernet ports	0-64
25 Gb Ethernet ports	0-16
40 Gb Ethernet ports	0-16
100 Gb Ethernet ports	0-8
Network I/O slots	8
Connectors	2 x USB, serial console RJ45, IPMI Ethernet

PHYSICAL	N3510
Regulatory model number	APP-3510C1
Form factor	2U
Dimensions W x H x D	438 x 88 x 600 mm (17.2" x 3.4" x 23.6")
Net weight	18.0 kg (39.7 lbs)
Weight of appliance, 2 power supplies + package	25.5 kg (55.1 lbs)
AC power supply	100-240V~, 8-4A, 50-60Hz, 1200 W+1200
Redundant power supply	Yes
Redundant local storage	Yes (RAID 1)
Typical power consumption	390 W
Max power consumption	1200 W
Max BTU/hour	4100 BTU
MTBF (hours)	100,000
Operating temperature	0 – +40°C / +32 – +104°F
Storage temperature	-40 – +70°C / -40 – +158°F
Relative humidity non-condensing	10% - 90%
Safety certification	CB, UL/EN60950, NOM
EMI certification	FCC part 15, CE, EN55022, EN55024, AZ/NZS

ORDERING[2]	N3510
NGFW appliance	N3510
Appliance Spare Unit	N3510SPU
Hardware Warranty Upgrade - NBD	WN
Hardware Warranty Upgrade - NBD - Keep-The-Box	WNK
Hardware Warranty Upgrade - Same Day	WS
URL filtering	FPURL12X
Advanced Malware Detection & Protection *	AMDPFWS, AMDPFWM, AMDPFWL, AMDPFWXL, AMDPFWXXL
Additional Virtual Contexts (100)	FPVC100
Additional Virtual Contexts (250)	FPVC250
3500 series spare AC power supply	ACPA3500
3500 series spare fan kit	ACF3500
3500 series spare part SSD	ACD3500
8 port Gb Ethernet RJ45	MODG8
8 port Gb Ethernet SFP	MODGF8
4 port 10Gb Ethernet SFP+	MOD10F4
8 port 10Gb Ethernet SFP+	MOD10F8
2 port 25Gb Ethernet SFP28	MOD25F2
2 port 40Gb Ethernet QSFP	MOD40F2
1 port 100Gb Ethernet QSFP28	MOD100F1
8 port Gb Ethernet RJ45 Bypass Module	MODG8B
4 Port Gb Ethernet SX Fiber Bypass Module	MODGS4B
4 port 10Gb Ethernet Long Reach Bypass Module	MOD10L4B
4 port 10Gb Ethernet Short Reach Bypass Module	MOD10S4B
2 port 40 G Ethernet MPO Bypass	MOD40F2B

* Contact your sales representative for suitable AMDP sandbox sizing
2 See module datasheet for details on modules and supported SFPs