

Forcepoint Network Security Platform 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 thousands of appliances at once
- › Security policy and software updates with just a few clicks
- › Optional Advanced Malware Detection and Protection (AMDP)
- › Optional URL Filtering powered by Forcepoint ThreatSeeker

The Forcepoint 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 Security Management Center (SMC).

Direct-to-cloud 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 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 cost and footprint with a combined SD-WAN, NGFW, VPN, and optional Wi-Fi and LTE/5G in one solution

The Forcepoint 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 Network Security appliances, physical as well as virtual, can be centrally administered together, using Forcepoint SMC. Firewalls can be deployed across geographies quickly, without an on-site technician, and updated with just a few clicks.

Advance clustering for high availability

Downtime is not an option for many organizations. That's why the Forcepoint 3500 Series offers advanced clustering that allows multiple appliances (including other Forcepoint Network Security Platform models) to be used together to keep campus networks running even in the middle of software updates or hardware failure. Native 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	3505	3510
NGFW/NGIPS throughput (HTTP 64kB payload)	80 Gbps	140 Gbps
Max firewall throughput (UDP 1518 byte payload)	400 Gbps	600 Gbps
Max inspection throughput (UDP 1518 byte payload)	40 Gbps	70 Gbps
Threat Prevention Throughput	35 Gbps	50 Gbps
TLS 1.2 inspection (44kB payload)	18 Gbps	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	5.5 Million	8 Million
Max concurrent connections	200 Million	
New TCP connections/sec	1.1 Million	1.4 Million
VLAN tagging	Unlimited	
Virtual contexts default/max ²	25/250	

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

² Licensed maximum, usable maximum depends on the configuration

INTERFACES	3505	3510
Fixed Ethernet interfaces	2 x 1 Gbps Ethernet RJ45	
Gb Ethernet - copper ports	2-66	
M10 Gb Ethernet ports	0-64	
25 Gb Ethernet ports	0-32	
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	3505	3510
Regulatory model number	APP-3505C1	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	No	Yes (RAID 1)
Typical power consumption	340 W	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%	
Regulatory	UL, CB, CE, FCC, IC, RCM, RoHS, REACH	

ORDERING ²	3505	3510
NGFW appliance	N3505	N3510
Appliance Spare Unit	N3505SPU	N3510SPU
Hardware Warranty Upgrade - NBD	NWN	
Hardware Warranty Upgrade - NBD - Keep-The-Box	NWNK	
Hardware Warranty Upgrade - Same Day	NWS	
URL filtering	FPURL12X	
Advanced Malware Detection and Protection*	AMDPFWS, AMPDFWM, AMPDFWL, AMPDFWXL, AMPDFWXXL	
Additional Virtual Contexts (100)	FPVC100	
Additional Virtual Contexts (250)	FPVC250	
3500 series spare AC power supply	ACP3500	
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	
4 port 25Gb Ethernet SFP28	MOD25F4	
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 AMPD sandbox sizing

² See module datasheet for details on modules and supported SFPs