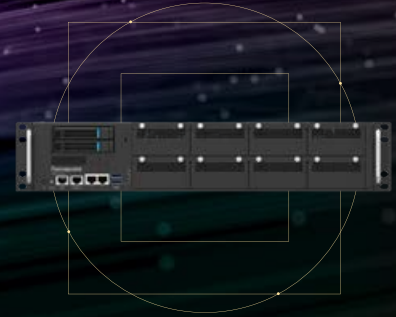# Forcepoint

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.

Advanced 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 Gbs
TLS 1.2 inspection (44kB payload)	18 Gbps	40 Gbps
IPsec VPN AES-GCM-256	150 Gbps	150 Gbps
Mobile VPN clients	Unlimited	Unlimited
Max concurrent IPsec VPN SAs	280,000	280,000
Max concurrent inspected HTTP connections	5.5 Million	8 Million
Max concurrent connections	200 Million	200 Million
New TCP connections/sec	1.1 Million	1.4 Million
VLAN tagging	Unlimited	Unlimited
Virtual contexts default/max	25/250	25/250

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

INTERFACES	3505	3510
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	0-32	
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	1200 W
Max BTU/hour	4100 BTU	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	WN	
Hardware Warranty Upgrade - NBD - Keep-The-Box	WNK	
Hardware Warranty Upgrade - Same Day	WS	
URL filtering	FPURL11X	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	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 AMDP sandbox sizing
2   See module datasheet for details on modules and supported SFPs

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