



# Enterprise Firewall Core

## EF-Core

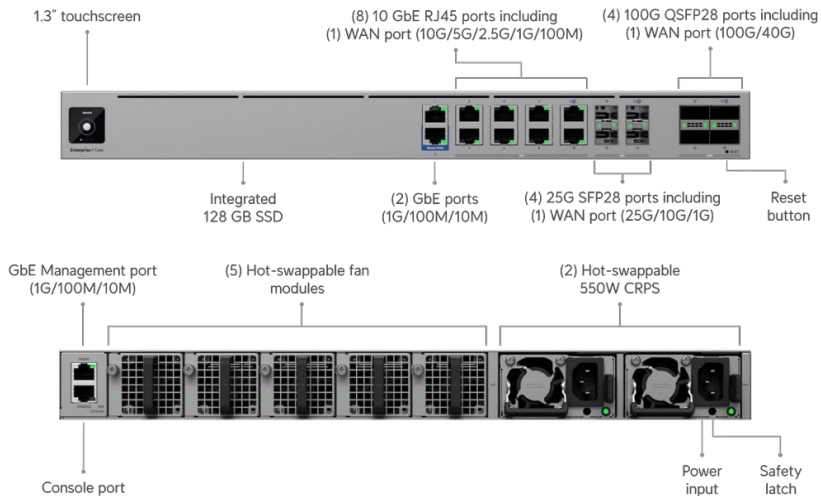
Datasheet

In The Box

Marketing Images

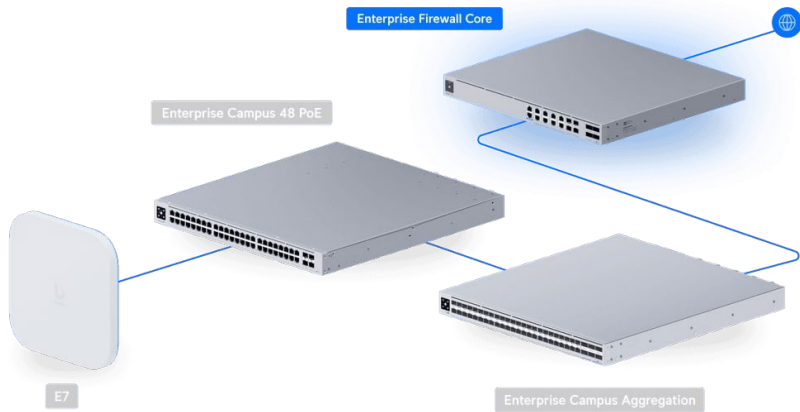
Accessories

Installation Guide



### Overview

Dimensions	442.4 x 43.7 x 400 mm (17.4 x 1.7 x 15.8")
UniFi Application Suite	
Network	✓
Managed UniFi Devices	2,250+
Simultaneous Users Connected	22,500+
Max. WAN Port Count	8



### Default WAN Ports

- (1) 100G QSFP28
- (1) 25G SFP28
- (1) 10 GbE RJ45

### Port Layout

1 GbE RJ45	2 (1G/100M/10M)
10 GbE RJ45	8 (10G/5G/2.5G/1G/100M)
25G SFP28	4 (25G/10G/1G)
100G QSFP28	4 (100G/40G)
MGMT	1 (1G/100M/10M)
Console	1

### IDS/IPS Throughput

79 Gbps

### Capacity

SSL/TLS Inspection Concurrent Sessions	10,000
Concurrent Sessions	10 Million
New Sessions / Second	120,000

### Form Factor

Rack mount (1U)

### Redundancy

Shadow Mode (VRRP) Gateway Failover  
(2) Hot-Swappable PSUs

## ^ Security

Stateful Firewall	✓
Application-Aware Layer 7 Firewall	✓
SSL Inspection & URL Filtering	✓
DPI & Traffic Identification	✓
Zone-Based Firewall Advanced Filtering (Regions, Domains, Apps)	✓
Content Filtering	✓
Intrusion Prevention (IPS/IDS)	✓
Ad Blocking	✓
IDS/IPS Signatures	95,000+ with CyberSecure Enterprise

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## ^ VPN & SD-WAN

License-Free SD-WAN	✓
Site-to-Site VPN	
Site Magic	✓
IPsec	✓
OpenVPN	✓
VPN Server	
Identity Endpoint One-Click VPN	✓
Teleport Zero-Configuration VPN	✓

- WireGuard ✓
- OpenVPN ✓
- L2TP ✓

#### VPN Client

- OpenVPN ✓
- WireGuard ✓

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### ^ Networking

Multi-WAN Load Balancing ✓

Shadow Mode (VRRP) High Availability ✓

LACP Port Aggregation ✓

#### Dynamic Routing

- OSPF ✓
- BGP ✓

Advanced QoS ✓

Multicast DNS (mDNS) ✓

Advanced NAT (SNAT / DNAT /  
Masquerade / NAT Pooling / 1-to-1  
NAT) ✓

Integrated RADIUS Server ✓

RADIUS over TLS (RadSec) ✓

Additional Internet Failover with UniFi LTE Backup	✓
Internet Quality and Outage Reporting	✓
MAC Address Table Size	130,000
Policy-based WAN and VPN Routing	✓
Customizable DHCP Server	✓
IPv6 ISP Support	✓
IGMP Proxy	✓
All Traffic Flows	✓

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#### ^ **Hardware**

Max. Power Consumption	171W
Power Method	Universal AC input, 100–240V AC, 7.5A Max., 50/60 Hz
Power Supply	(2) Hot-Swappable AC/DC 550W PSU
Supported Voltage Range	100–240V AC
Heat Dissipation	585 BTU/hr
Processor	24-core ARM® v9 at 2.5 GHz
System Memory	32 GB
On-board Storage	Integrated 128 GB SSD
Weight	7.85 kg (17.31 lb)
Enclosure Material	Aluminium CNC, SGCC steel

LCM Display	1.3" touchscreen
Management	Ethernet Bluetooth
LEDs	
Ethernet	✓
SFP28	✓
QSFP28	✓
Swappable Fan	✓
CRPS	✓
Button	(1) Factory reset
ESD/EMP Protection	Air: ± 8kV, contact: ± 4kV
Ambient Operating Temperature	0 to 40° C (32 to 104° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓
Certifications	CE, FCC, IC
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<b>^ Software</b>	
Application Requirements	
Mobile App	UniFi iOS™: Version 10.35.0 and later UniFi Android™: Version 10.38.1 and later