# Fortinet
# FNC-CA-500F
## Datasheet

# Product Overview

- The Fortinet FNC-CA-500F is a high-performance network access control solution designed for businesses managing up to 5000 ports. It provides advanced security features that ensure the protection of enterprise networks from unauthorized access and potential threats.

- The solution offers robust scalability, making it ideal for large enterprises and organizations. It can seamlessly integrate into diverse networking environments, providing comprehensive network protection and management capabilities.

- With features such as real-time monitoring and granular access control policies, the FNC-CA-500F ensures that only authorized devices can access the network. The system can dynamically adjust access permissions based on user roles, device types, and security posture, enhancing overall network security.

- Additionally, the FNC-CA-500F offers detailed reporting and analytics, providing visibility into network activity and security events. This helps organizations to identify and respond to potential security issues proactively, ensuring continuous network protection.

# Product Highlights

- **Supports up to 5000 Ports:** The FNC-CA-500F can handle extensive network environments, making it suitable for large enterprises.

- **Advanced Network Access Control:** Offers sophisticated access control features to secure network endpoints.

- **Scalable Platform:** Grow with your organization, allowing for easy scaling as your network expands.

- **Enhanced Security Features:** Provides comprehensive threat protection to ensure the integrity of your network.

- **Enterprise-Grade Performance**: Guarantees high performance to meet the demands of business-critical applications.

# Detailed Features



FNC-CA-500F

| Component | Specification |
|---|---|
| Supported Ports | Up to 5000 ports |
| Rack Units | 1U |
| Interfaces | 4 x 10GE SFP+, 2 x GE RJ45, 1 x 1GE RJ45 Management, 1 x USB, 1 x Console |
| Management Interface | 1 x 1GE RJ45 |
| Power Supply | Hot-swappable dual power supplies |

## Advanced Threat Protection

The FNC-CA-500F offers robust security measures including advanced threat protection and access control to safeguard your network from unauthorized access and potential threats.

## Comprehensive Access Control

Dynamically adjusts access permissions based on user roles, device types, and security posture, ensuring only authorized devices can access the network.

## Scalable to 5000 Ports

The solution is designed to manage up to 5000 ports, making it ideal for large enterprises and organizations with extensive network environments.

## Seamless Integration

Compatible with a wide range of network equipment including switches, routers, and firewalls, ensuring a unified security posture across the network.

## Centralized Management

Provides centralized management capabilities for enforcing consistent security policies across multiple locations from a single point of control.

## Compliance and Certification

Meets various standards including CE, FCC, RoHS, and UL, ensuring reliability and safety.

## Enhanced Visibility

Offers detailed reporting and analytics to provide visibility into network activity and security events, helping organizations to proactively identify and respond to potential security issues.

## High-Performance Hardware

Equipped with 4 x 10GE SFP+, 2 x GE RJ45, 1 x 1GE RJ45 Management interface, 1 x USB, and 1 x Console for versatile connectivity options.

## Hot-Swappable Dual Power Supplies

Ensures reliable operation with minimal downtime, even in demanding environments.

## Robust Storage and Memory

Comes with 32 GB RAM and 1 TB SSD storage for handling large volumes of data and ensuring quick access to important information.

## User-Friendly Operating System

Runs on FortiOS, providing a user-friendly interface and a range of advanced security features.

## Efficient Cooling

Features front-to-back airflow and redundant fans to maintain optimal operating temperatures.

# Technical Specifications

## General Specifications

| Feature | Value |
|---|---|
| Supported Ports | Up to 5000 ports |
| Rack Units | 1U |
| Interfaces | 4 x 10GE SFP+, 2 x GE RJ45, 1 x 1GE RJ45 Management, 1 x USB, 1 x Console |
| Management Interface | 1 x 1GE RJ45 |
| Power Supply | Hot-swappable dual power supplies |
| Power Consumption | 250W |

| Metric | Value |
|---|---|
| Memory | 32 GB RAM |
| Storage | 1 TB SSD |
| Cooling | Front-to-back airflow |
| Operating Temperature | 0-40°C |
| Relative Humidity | 5-90% non-condensing |
| Dimensions | Width: 438.15 mm, Depth: 648.65 mm, Height: 43.2 mm |
| Redundant Fans | Yes |

## Product Comparison

| Feature | FNC-CA-500F | FNC-CA-300F | FNC-CA-700F |
|---|---|---|---|
| Max Ports | 5000 | 3000 | 7000 |
| Access Control | Advanced | Standard | Advanced |
| Scalability | High | Medium | Very High |
| Security Features | Enhanced | Basic | Enhanced |
| Performance Grade | Enterprise | SMB | Enterprise |

## Accessories

| Category | Accessories |
|---|---|
| Included Accessories | - Power Cable |
| | - Mounting Kit |
| | - Quick Installation Guide |
| Optional Accessories | - FortiSwitch-5003: High-performance switch for expansive networks |
| | - FortiAP-U421EV: High-capacity wireless access point |
| | - FortiToken-200: Two-factor authentication token |

## Support & Warranty

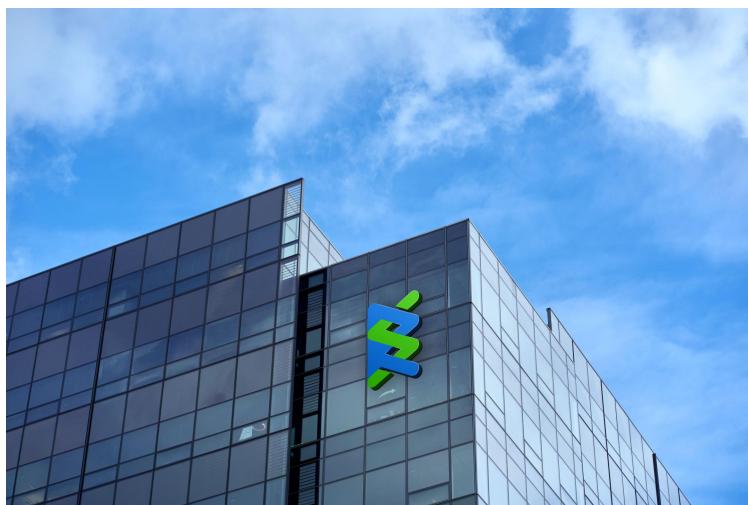| | | | | | |
|---|---|---|---|---|---|
| 24/7 Online Service | 3-Year Premium Warranty | Professional Technical Support | 100% Low Price Guarantee | 100% Quality Assurance | 100% Money Back Guarantee |

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Global Warehouses & Service Centers Across Continents.



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# References

[1] Fortinet. (n.d.). FortiNAC Data Sheet. From https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/fortinac.pdf.

[2] Router-switch.com. (n.d.). Overview of Fortinet FNC-CA-500F. From https://www.router-switch.com/fnc-ca-500f.html.