Network Service Edge 3000

Overview

Cambium Networks introduces Network Service Edge (NSE) for delivering advanced security, routing and SD-WAN policies for small and medium enterprises.

Model NSE 3000 features two Gigabit WAN ports and four Gigabit LAN ports and offers reliable connectivity with WAN throughputs of up to 1 Gbps. An industry-leading IDS/IPS engine, advanced application and Geo-IP firewalls, a network security scanner, anti-malware protection, SD-WAN for cutting edge application visibility and control.

Security

- With a single click, enable intrusion detection or intrusion prevention and let the industry-leading IDS/IPS engine protect your network against threats. This engine supports community and paid premium rules.

- Create advanced firewall layer-3 and application-based rules to protect your network. Use Geo-IP filters to deny or allow traffic to/from specific countries

- Get an audit of security vulnerabilities for devices on your network. Get notified when critical vulnerabilities are discovered and reported

Network Service Edge 3000 (NSE)

SD-WAN and Traffic Engineering:

- Set up WAN links to share traffic or configure them in an active-backup fashion

- Share traffic on both WAN links and specify the traffic share

- Tracks WAN link health and automatically fails over traffic to the performing link.

- Prioritise business-critical applications and restrict bandwidth for non-critical apps

- Easily prioritise and allot reserved bandwidth for time-sensitive voice applications

Remote Connectivity

- Enable remote workers to log in to your network securely from any device. The NSE supports the industry standard and widely supported L2TP-IPsec VPN

- Turn on Multi-Factor Authentication to enhance password-based authentication. Offers MFA via Google Authenticator

- Use the in-built Dynamic DNS feature to expose the VPN service via an easy to remember and fixed hostname

Analytics

- Get a comprehensive overview and security analysis of all the devices on your network via our cloud management platform

- Use the intrusion prevention dashboard to gain insight on intrusion attempts. Use the insight to refine prevention policy and enhance intrusion rule sets.

- Get a network security audit of all devices on your network. Patch and remediation measures are provided to help you secure your devices

- Get deep insight into all the application traffic on your network. Use the insight to craft granular policies to prioritise and allocate sufficient bandwidth to business-critical apps

Network Services

- Create separate networks for employees, guests and IoT devices with ease. Our VLAN and DHCP configuration make this setup a breeze

- Enable traffic shaping and rate-limiting policies to cap internet bandwidth for guests

- Use the on-box RADIUS server to create user accounts and setup secure network authentication for all the users and devices on your network

- NSE includes an on-box DNS server. Use it to block known malware sites, adult content websites and gambling websites with a single click

- NSE supports Dynamic DNS updates for WAN interfaces. Create easy to remember hostnames to expose on-premise services

- NSE keeps all databases current and always updated - intrusion rules, vulnerability reports, device signatures, Geo-IP databases, malware sites database

Cloud Management

- NSE 3000 is completely managed by the easy-to-use, secure and cloud-hosted Cambium Networks cnMaestro Management system. A single-pane-of-glass management to operate and manage all Cambium enterprise products - NSE 3000 devices, Enterprise Wi-Fi and cnMatrix switches

- Zero-touch provisioning. Power on the device and have it automatically managed and configured

- Reusable configuration groups allows easy onboarding of multiple sites

- Dashboard widgets that give you a comprehensive overview of device and network health

- Insight and stats on all connected devices on your network

- Easy to consume data on intrusion attempts - severity, details, country of origin and remedial measures

- Network security audit of all devices on your network. Patch and remediation measures are provided to help you secure your devices

Network Service Edge 3000 (NSE)

Specifications

Recommended use case	Sites and branches with up to 300 devices
Routed throughput	945 Mbps* - Layer 3 forwarding throughput
Stateful throughput	917 Mbps* - Advanced firewall throughput (NAT+AVC)
Advanced security throughput	911 Mbps* - Throughput with NAT + AVC + IDS + ACL
VPN client throughput	300 Mbps*
WAN Ports	2 x 1 Gbps RJ45/SFP
LAN Ports	4 x 1 Gbps RJ45
Mounting	Table top and Wall mount options
Dimensions	175.16 mm x 232.72 mm x 43 mm
Weight	.65 kg
Max Power consumption	22.8W
Power Supply	40W DC
LEDs	Cloud connection and System indicators
Operating temperature	0°C–40°C
Operating humidity	10%–90%

Note: Throughput values are "up to" and may vary depending on system configuration.

Front

Back / Ports

Bottom

Side Panel
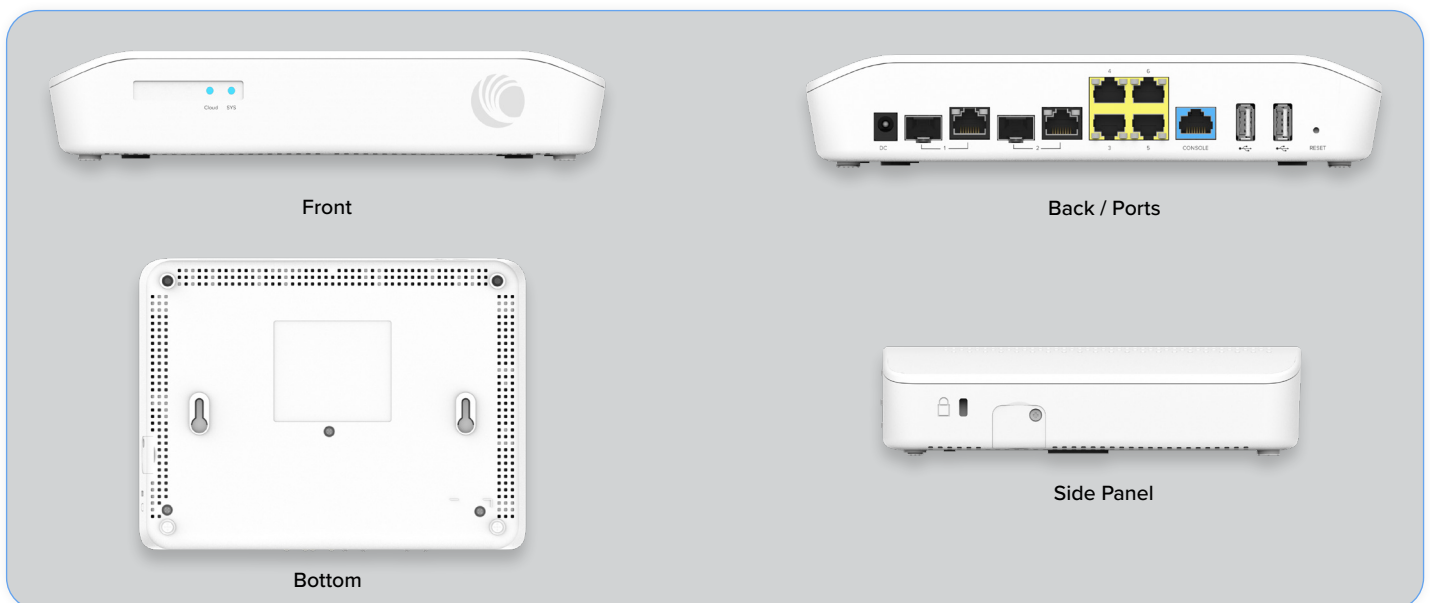
Network Service Edge 3000 (NSE)

NSE 3000 and cnMaestro Ordering Information

NSE 3000	Network Service Edge
MS-SUB-NSE3000-1	cnMaestro subscription for one NSE 3000. Includes CC Pro support. 1-year subscription
MS-SUB-NSE3000-3	cnMaestro subscription for one NSE 3000. Includes CC Pro support. 3-year subscription
MS-SUB-NSE3000-5	cnMaestro subscription for one NSE 3000. Includes CC Pro support. 5-year subscription

Extended Warranty Ordering Information

The standard warranty for NSE 3000 is 1 year with option to purchase extended warranty for up to 5 years.

EW-E1NSE3000-WW	NSE 3000 Extended Warranty, 1 additional year
EW-E2NSE3000-WW	NSE 3000 Extended Warranty, 2 additional years
EW-E3NSE3000-WW	NSE 3000 Extended Warranty, 3 additional years
EW-E4NSE3000-WW	NSE 3000 Extended Warranty, 4 additional years

Cambium Care Advanced Add-on Ordering Information

CCADV-UPG NSE3000-1	Cambium Care Advanced Add-on to cnMaestro, 1-year support for one NSE 3000. 24x7 TAC support, SW updates, and NBDS advance replacement for HW.
CCADV-UPG-NSE3000-3	Cambium Care Advanced Add-on to cnMaestro, 3-year support for one NSE 3000. 24x7 TAC support, SW updates, and NBDS advance replacement for HW.
CCADV-UPG-NSE3000-5	Cambium Care Advanced Add-on to cnMaestro, 5-year support for one NSE 3000. 24x7 TAC support, SW updates, and NBDS advance replacement for HW.

About Cambium Networks

Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.

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