

Network Service Edge

NSE Quick Look

- Next-gen firewall, UTM & IDS/IPS
- SD-WAN with multi-WAN failover
- Integration with Starlink® and 5G modems
- Site-to-site and remote client VPNs
- Cloud-managed with cnMaestro™ Network Management



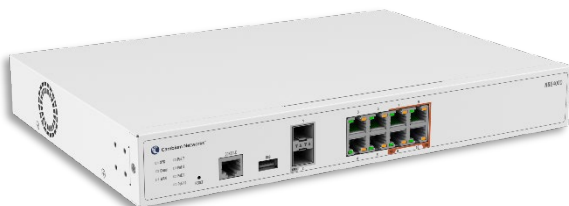
Overview

Network Service Edge (NSE) combines enterprise-grade security and SD-WAN into a single cloud-managed solution. Core security features are included at no extra cost with a single subscription option adding advanced features. Purpose-built for small and medium businesses, educational institutions, and distributed enterprises, NSE secures every site from headquarters to remote branch offices.

- NSE 3000 features two Gigabit WAN ports and four Gigabit LAN ports and offers reliable connectivity with WAN throughput of up to 1 Gbps.
- NSE 4000 features eight 2.5 GbE Ethernet ports and two 10 GbE SFP+ ports with secure throughput of 3.2 Gbps and Layer-3 firewall throughput of 10 Gbps.



NSE 3000



NSE 4000

Next-Gen Firewall & Security

- Stateful next-gen firewall with Layer-3 (IP-based) and Layer-7 application-aware rules and deep packet inspection identify and control traffic by application.
- Geo-IP filtering allows or denies traffic by country in both directions (LAN-to-WAN and WAN-to-LAN) to shrink your attack surface.
- Core NGFW, SD-WAN, IDS/IPS, and VPN are included with every appliance—no per-feature licensing.

Intrusion Detection & Prevention

- Enable the industry-leading IDS/IPS engine with a single click to detect and block exploits, malicious patterns, and known threats in real time.
- Choose free community or commercial rule sets; intrusion, signature, and Geo-IP databases stay automatically updated.
- Review intrusion attempts in cnMaestro—severity, details, and country of origin—then refine prevention policy.

Network Service Edge (NSE)

SD-WAN and Traffic Engineering

- Active-active and active-backup multi-WAN load balancing with Layer-3/Layer-7 flow preferences and automatic failover to the healthiest link.
- Adaptive Queue Management reserves bandwidth for voice, video, and payment traffic so bulk transfers can't starve time-sensitive apps.
- Integrate and bond multiple Starlink dishes—up to 4 on NSE 3000 and 5 on NSE 4000—for aggregate bandwidth and resilience.
- Integrate Teltonika® cellular gateways for managed 5G/LTE WAN connectivity and automatic failover.
- Mix Starlink, 5G/LTE, fiber, and broadband links on a single appliance, all managed from cnMaestro.

DNS Content Filtering

- Filter web content across 80+ categories, with global data caches for fast resolution.
- Enforce safe search across major search engines and block undesired content network-wide.
- Meets CIPA and KCSIE guidelines for K–12 and education deployments.

VPN and Remote Access

- Site-to-site VPN (IKEv1/IKEv2, hub-and-spoke or full mesh) plus auto-VPN that builds tunnels between sites in a couple of clicks.
- Remote-access VPN over WireGuard®, L2TP-IPSec, and IKEv2-EAP, with MFA via Google® Authenticator.
- Virtual WAN assigns real static public IPv4 addresses to sites behind Starlink, 5G/LTE, or any CGNAT network using a WireGuard overlay, making remote cameras, NVRs, and controllers reachable with no ISP changes.
- Tailscale® integration delivers zero-config remote access to devices behind CGNAT.

LAN Vulnerability Scanning

- Always-on vulnerability assessment scans every device on your network for known vulnerabilities, weak configurations, and unpatched systems.
- Get notified when critical issues are found, with patch and remediation guidance to fix them before they're exploited.

Application Visibility and Control

- Gain deep insight into all application traffic on your network through cnMaestro.
- Craft granular policies to prioritize business-critical applications and throttle the rest.
- On-box RADIUS server for secure user and device authentication, plus automatic IoT device identification.

cnMaestro Cloud Management

- Single-pane-of-glass cloud management for NSE, Cambium Wi-Fi Access Points, and cnMatrix™ Ethernet Switches as part of Cambium's ONE Network.
- Zero-touch provisioning: Ship a device to any site and it auto-connects, downloads policies, and goes live without a truck roll.
- Customer-favorite integrated Starlink monitoring surfaces live dish stats, obstruction and signal alerts, and proactive recommendations (no separate Starlink app).
- cnMaestro X adds advanced reports and analytics; NSE runs with strong built-in security even without a subscription.

Network Service Edge (NSE)

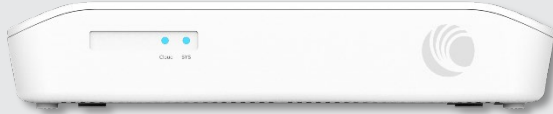
Specifications	NSE 3000	NSE 4000
Recommended Use Case	Sites and branches with up to 1,000 devices	Sites, branches, and headquarters with up to 2,500 devices
Routed Throughput (Layer 3 forwarding throughput)	945 Mbps*	10 Gbps*
Layer-7 Stateful Throughput Advanced firewall throughput (NAT + AVC)	917 Mbps*	6.5 Gbps*
Advanced Security Throughput (NAT + AVC + IPS + ACL)	911 Mbps*	3.2 Gbps*
Site-to-Site VPN	100 site-to-site VPN tunnels	200 site-to-site VPN tunnels
WAN Ports	2 x 1 Gbps RJ45/SFP (reconfigurable up to 4 WAN ports)	1 x 10 GbE SFP+, 1 x 2.5 GbE RJ45 (reconfigurable up to 5 WAN ports)
LAN Ports	4 x 1 Gbps RJ45 (reconfigurable)	1 x 10 GbE SFP+, 7 x 2.5 GbE RJ45 (reconfigurable)
PoE+ Ports	NA	P7/P8/P9/P10 RJ45 ports
Mounting	Tabletop and wall-mount options	Tabletop and Rackmount options (Brackets included)
Dimension	232.72 mm x 175.16 mm x 43 mm	330 mm x 230 mm x 44 mm
Weight	0.65 kg	3.24 kg
Max Power Consumption	22.8W	156W (POE Included), 36W (POE Excluded)
Power Supply	40W DC	100-240 V AC, 50-60Hz
LEDs	Cloud connection and system indicators	Cloud connection, WAN status and system indicators
Operating Temperature	0°C–40°C	0°C–40°C

*Throughput values are “up to” and may vary depending on system configuration.

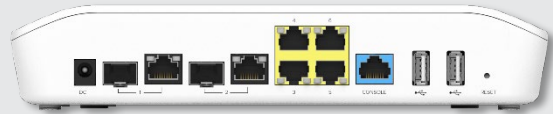
Network Service Edge (NSE)

NSE 3000

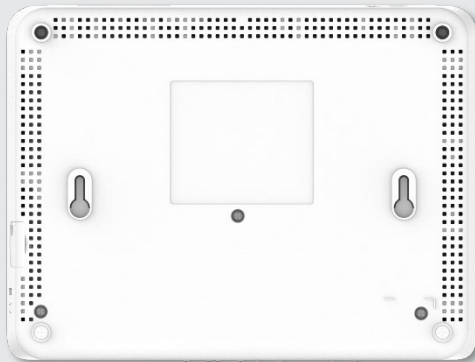
Front



Back/Ports



Bottom

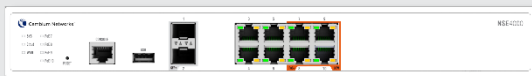


Side Panel



NSE 4000

Front/Ports



Back



Rear/Side Panel



Network Service Edge (NSE)

Security and Security Plus Feature Set	
Security (No Subscription)	Security Plus (Available with a 1-, 3-, or 5-Year Subscription)
SD-WAN - WAN load balancing (Active-Active and Active-Backup) - Flow preferences (Layer3 and Layer 7) - Traffic shaping - Failover policies	All of Security plus... Virtual WAN—Public IP over CGNAT (WireGuard)
Site-to-site VPNs (hub and spoke and mesh) - IKEv1 - IKEv2	Geo-IP firewall - LAN to WAN - WAN to LAN
Remote VPN - L2TP-IPSec - IKEv2 - WireGuard	DNS content filtering 80+ categories - Safe search - Fast with data caches around the world
Next-Gen Firewall - Layer3 (IP-based) - Layer7 (application-based)	LAN vulnerability assessment
Intrusion detection and prevention Choice of free and commercial rule sets	High availability 1+1 in Active-Backup mode
Application visibility and control RADIUS	Auto VPN - One-click setup of VPN tunnels - IoT device identification
Cloud managed via cnMaestro Essentials	cnMaestro reports and analytics Cloud managed via cnMaestro Essentials and cnMaestro X

Network Service Edge (NSE)

NSE 3000 Subscription Ordering Information

Part Number	Description
NSE3000	NSE3000 Security and SD-WAN Appliance with 1 Gbps Firewall Throughput and 911 Mbps Advanced Security Throughput
NSE-SUB-3000-1	NSE subscription for one NSE3000 for Security Plus feature set. Creates 1 Device Tier30 slot in cnMaestro X or cnMaestro Essentials. Includes Cambium Care Pro software support. 1-year subscription.
NSE-SUB-3000-3	NSE subscription for one NSE3000 for Security Plus feature set. Creates 1 Device Tier30 slot in cnMaestro X or cnMaestro Essentials. Includes Cambium Care Pro software support. 3-year subscription.
NSE-SUB-3000-5	NSE subscription for one NSE3000 for Security Plus feature set. Creates 1 Device Tier30 slot in cnMaestro X or cnMaestro Essentials. Includes Cambium Care Pro software support. 5-year subscription.

Extended Warranty Ordering Information

The standard warranty for NSE3000 is 1 year with an option to buy extended warranty for up to 4 years.

EW-E1NSE3000-WW	NSE3000 extended warranty, 1 additional year.
EW-E2NSE3000-WW	NSE3000 extended warranty, 2 additional years.
EW-E3NSE3000-WW	NSE3000 extended warranty, 3 additional years.
EW-E4NSE3000-WW	NSE3000 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 of support for 1 NSE3000. 24x7 TAC support, software updates, and NBDS advance replacement for HW.
CCADV-UPG-NSE3000-3	Cambium Care Advanced Add-On to cnMaestro: 3 years of support for 1 NSE3000. 24x7 TAC support, software updates, and NBDS advance replacement for HW.
CCADV-UPG-NSE3000-5	Cambium Care Advanced Add-On to cnMaestro: 5 years of support for 1 NSE3000. 24x7 TAC support, software updates, and NBDS advance replacement for HW.

NSE4000 Ordering Information

NSE 4000 and Subscription Ordering Information

Part Number	Description
NSE4000	NSE4000 Security and SD-WAN Appliance with 10 Gbps Firewall Throughput and 3.2 Gbps Advanced Security Throughput
NSE-SUB-4000-1	NSE subscription for one NSE4000 for Security Plus feature set. Creates 1 Device Tier31 slot in cnMaestro X or cnMaestro Essentials. Includes Cambium Care Pro software support. 1-year subscription.
NSE-SUB-4000-3	NSE subscription for one NSE4000 for Security Plus feature set. Creates 1 Device Tier31 slot in cnMaestro X or cnMaestro Essentials. Includes Cambium Care Pro software support. 3-year subscription.
NSE-SUB-4000-5	NSE subscription for one NSE4000 for Security Plus feature set. Creates 1 Device Tier31 slot in cnMaestro X or cnMaestro Essentials. Includes Cambium Care Pro software support. 5-year subscription.

Extended Warranty Ordering Information

The standard warranty for NSE4000 is 1 year with an option to buy extended warranty for up to 4 years.

EW-NSE4000-1	NSE4000 extended warranty, 1 additional year.
EW-NSE4000-2	NSE4000 extended warranty, 2 additional years.
EW-NSE4000-3	NSE4000 extended warranty, 3 additional years.
EW-NSE4000-4	NSE4000 extended warranty, 4 additional years.

Cambium Care Advanced Add-On Ordering Information

CCADV-UPG-NSE4000-1	Cambium Care Advanced Add-On to cnMaestro: 1 year of support for 1 NSE4000. 24x7 TAC support, software updates, and NBDS advance replacement for HW.
CCADV-UPG-NSE4000-3	Cambium Care Advanced Add-On to cnMaestro: 3 years of support for 1 NSE4000. 24x7 TAC support, software updates, and NBDS advance replacement for HW.
CCADV-UPG-NSE4000-5	Cambium Care Advanced Add-On to cnMaestro: 5 years of support for 1 NSE4000. 24x7 TAC support, software updates, and NBDS advance replacement for HW.

ABOUT CAMBIUM NETWORKS

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences and device connectivity with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We make connectivity that just works.

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