

NCA-4220



image is for reference purpose only.

- 6x GbE RJ45 i210, 1x NIC Module
- 2x 10G Modules [Optional]
- 2x USB 3.0 Ports,
- 2x 2.5" SSD 1TB each

Platform	
Form Factor	1U 19" Rackmount
Networking	
Ethernet Ports	6 x GbE RJ45
Network Upgrade (Optional)	2 x 10G Modules
Cooling	
Processor	Passive CPU Heatsink
System	3 x or 2 x Cooling Fans with Smart Fan
Environmental Parameters	
Temperature	0~40°C Operating, -20~70°C Non-Operating
Humidity (RH)	5~90% Operating, 5~95% Non-Operating
System Dimensions	
(WxDxH)	438 x 321 x 44 mm
Weight	8.5 kg
Power	
Type / Watts	220W ATX Single PSU
Input	AC 100~240V @50~60 Hz
I/O Interface	
Reset Button	1
LED	Power/Status/Storage
Power Button	1 x ATX Power Switch
Console	1 x RJ45
USB	2 x USB 3.0
LCD Module	2 x 20 Character LCM, 4 x Keypads
Power Input	AC Power Inlet on PSU
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
Certifications	
Approvals and Compliance	RoHS, CE/FCC Class A, UL
Capacity and performance	
Concurrent Users Supported	10,000 users (will be limited by licensing, please check licensing for exact number of concurrent user limit)
Simultaneous Sessions	50,000 TCP/UDP connections

Key Functional Modules

AAA Services:

- Secure user authentication (OTP, Social Media, Voucher, KYC-compliant)
- Role-based policy enforcement
- RADIUS / LDAP / OAuth2 integration

Captive Portal:

- Branded customizable login page
- Multi-login methods (OTP, social media, payment)
- Integrated Payment Gateway (UPI, cards, wallets, net banking)

AI/ML Cybersecurity & Filtering:

- Domain, content, and malware filtering
- SNI-based HTTPS filtering
- Adaptive AI/ML anomaly detection (botnet/abuse detection)
- IDS/IPS + port/application blocking

Compliance:

- DoT/MeitY/PM-WANI compliant
- GDPR & DPDPA 2023 support
- Lawful interception ready