

EdgeFocus2 - High Performance, Advanced SD-WAN

The ES515 is a high-performance network management platform, engineered for advanced connectivity needs in diverse environments. Ideal for large-scale deployments or as a Point of Presence (PoP), ES515 ensures secure, reliable, and efficient operations.

Optimized for high throughput and multi-user / multi-tenant environments, this platform offers extensive SD-WAN capabilities, advanced security, and real-time monitoring all in a 19" rackmount unit.

Multi-deployment capable soft router

The ES515 is a powerful edge server from Kognitive Networks, designed to seamlessly drive complex connectivity and resilient workflows. Designed for both remote edge applications and multi-site backbone services, it enhances reliability and secures operations across diverse network environments.

- ✧ Nine configurable WAN/LAN Ethernet ports
- ✧ Expandable with two or four 10Gb SFP+ ports
- ✧ Processor optimized for high user-count sites and hubs
- ✧ High Throughput with Multi-WAN bonding, QoS, DPI, and IPS



Centralized Flexibility with Data Center Dependability



Advanced Routing and Hub Service

Multi-WAN routing across Starlink, 5G, and wired links with performance optimized for high bandwidth throughput, low-latency connectivity. Multipath VPN intelligently distributes encrypted traffic across multiple tunnels, maximizing bandwidth utilization and enhancing failover resilience



Cloud-Managed with Real-Time Insights

Centralized cloud platform enables remote configuration, fleet management, and hierarchical policy control, delivering full visibility and streamlined operations for both high user-count single sites and distributed multi-site deployments



Comprehensive Enterprise Security

Protects network integrity with Deep Packet Inspection (DPI), Traffic Policies, Intrusion Prevention (IPS), and VPN - acting as a SASE hub to extend these security services across connected sites.

Contact sales@kognitive.net or visit www.kognitive.net to find out more.

Edge Applications

- Intuitive system management locally or from the Cloud
- Kognitive Cloud with analytics and remote access
- Mobile App management and remote control

Advanced Quality of Service

- Deep Packet Inspection (DPI) with Application, Domain, and IP filtering
- Rate, Quota, Priority management
- One-click client/group management
- Priority / Shaping / Blocking

Local Area Network Management

- Connected and Routed Networks
- LAN, DHCP, DNS, Bonjour/M-DNS
- Quality of Service (QoS) and Traffic Management

Software Defined Wide Area Network

- WAN Link Priority and Bonding
- Advanced Bonding
- Point of Presence (PoP) Dropoff with USA Internet
- VPN Services
- Hub Service as Multipath VPN Host (MPK-VPN)

konnnect

Enterprise grade network appliance for remotely accessible secure SD-WAN, designed for high traffic remote sites or a centralized hub architecture element.



Overview	
Software	KonnnectOS with Kontrol
Services	Multi-WAN failover, External 5G modem support, Firewall, QoS/QoE Traffic Policies, MPK-VPN, IDS/IPS, Captive Portal, Remote Management, SD-WAN or Hub Modes, Point of Presence (POP)
Typical Use Cases	Office & Remote Sites, High Reliability Multi-WAN Routing, Site to Site VPN, Regional Internet Drop-off
Capacity	
SD-WAN Capacity	up to 1,000 clients Native: up to 2,350 Mbps (2.5 GbE RJ45) / up to 9,500 Mbps (SFP+ expansion) Tunneled, QoS Disabled: up to 3,500 Mbp using MPK4 Tunneled, QoS Enabled: up to 2,500 Mbps using MPK4 Hub Mode: 75 Edge Systems, 150 Tunnels, 100k Flows
Specifications	
Ethernet Ports	9x RJ45 [8x RJ45 2.5 GbE i226, 1x RJ45 1 GbE i219], optional {2x SFP+ 10 GbE or 4x SFP+ 10 GbE}
Expansion Ports	2x USB3
Processor	Intel i3-12100E 4.20 GHz, 4 core / 8 threads
Memory / Storage	16 GB DDR5 / 128 GB SSD
Physical	
Enclosure	19" rack mount (1u), active cooling with 3 fans; based on Lanner NCA-4240
Measurements	17.24 x 12.64 x 1.73" / [438 x 321 x 44mm], 10.38lb / 4.71 kg
Environment	0°C to +40°C, ≤ 90% RH non-condensing
Power	AC 110~240, 4-2A, 60~50Hz
Regulatory	
Certifications	CE, FCC
Warranty	1-year limited, extended warranty available

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