

KognitiveEdge ES110

EdgePro - Comprehensive Network Management

The ES110 is a highly capable network management appliance, engineered to meet the advanced requirements of various environments, from industrial settings to expansive network infrastructures that require robust connectivity and streamlined remote management.

This powerful edge platform stands out for its efficiency in setting up and maintaining complex usage and routing operations. With native support for wireless technology like 5G, Starlink, and all major satellite platforms, ES110 is the cornerstone of successful network deployments.

SD-WAN for Unified Network Connectivity

ES110 offers unparalleled flexibility and scalability. Combined with superior processing power, ES110 is an ideal choice for scenarios requiring a blend of robust connectivity and high throughput in multi-user environments, from urban corporate offices to remote maritime vessels and agricultural sites.

- ✧ Enterprise-grade firewall and VPN
- ✧ Advanced Bandwidth Bonding with WAN-aware traffic policies
- ✧ Multi-WAN with native support for multiple Starlink terminals
- ✧ Cloud-managed policy administration, native captive portal



Advanced Network Capabilities Tailored to Your Needs



Reliable WAN and LAN Connectivity with Usage Quotas and Captive Portal

Combines seamless multi-WAN routing across Starlink, 5G, and wired links for enterprise-grade high-speed, low-latency connectivity — ensuring maximum uptime and consistent performance across all networks.



Cloud Management tailored for Multi-User Environment Orchestration

Centralized cloud platform enables remote configuration, fleet management, and hierarchical policy control across distributed sites, simplifying operations for multi-organization deployments and large-scale rollouts.



Advanced Security and Multi-path VPN Routing with SASE functionality

Enterprise-grade firewall with site-to-site and site-to-hub VPN ensures secure, encrypted access. Advanced features like Deep Packet Inspection and captive portal controls offer precise usage management and analytics.

Contact sales@kognitive.net or visit www.kognitive.net to [find out more](#).

Edge Applications

- Intuitive system management locally or from the Cloud
- Cloud Service Portal 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 Multi-path VPN Host



Comprehensive network appliance for secure SD-WAN, remote access, and flexible WAN / LAN connectivity, with integrated captive portal for usage control.



Overview	
Software	EdgeOS with Kognitive Cloud
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 Client Capacity	up to 250 clients, typical loading 150 Native: 700 Mbps Tunneled, QoS Disabled: 550 Mbps Tunneled, QoS Enabled: 400 Mbps
SD-WAN Hub Capacity	25 Edge Systems, 50 Tunnels, 20k Flows Tunneled, QoS Disabled: 500 Mbps Tunneled, QoS Enabled: 300 Mbps
Specifications	
Ethernet Ports	6x 1.0 GbE RJ45 switchable LAN/WAN
Expansion Ports	4x USB3
Processor	i3-7020U 2.30GHz, 2 core / 4 threads
Memory / Storage	8GB DDR4 / 120 GB SSD
Physical	
Enclosure	Standalone, VESA mount, fanless
Measurements	6.1" x 5" x 2.1" [155 x 127 x 53 mm]
Environment	-10°C to +50°C, ≤ 95% RH non-condensing
Power	+12VDC (50W Max)
Regulatory	
Certifications	CE, FCC, Anatel (Brazil)
Warranty	1-year limited, extended warranty available

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