

KognitiveEdge ES111

EdgePro - Comprehensive Networking with WiFi

The ES111 is a powerful network management appliance designed for demanding environments, offering reliable connectivity, routing, and simplified remote management.

Bringing the power of Kognitive Edge with a plug and play wireless LAN experience, ES111 has native support for wireless technology like 5G, Starlink, and all major satellite platforms, with 802.11ac Wi-Fi for added LAN flexibility. The ES111 Demo Kit includes a 2nd wireless access point and requires only +12VDC power.

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.

Integrated Workflow Compatibility

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

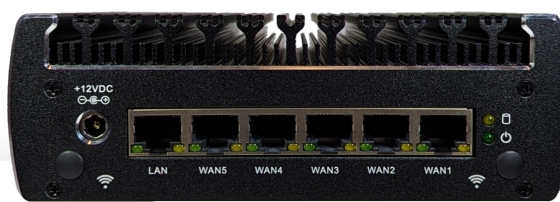
- Connected and Routed Networks
- LAN, DHCP, DNS, Bonjour/M-DNS
- Quality of Service (QoS) and Traffic Management

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
Wi-Fi	2x2 802.11ac, 2x SMA-F RP
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
Warranty	1-year limited, extended warranty available



ES111 Demo Kit
With integrated Access Point for simple Kognitive Edge platform testing

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