

Virtual Soft Router for KonnectOS™ SD-WAN

The VX100 brings the performance, intelligence, and security of Kognitive's Edge platform into a flexible virtual machine. Designed for enterprises and MSPs with existing routing hardware or for flexible deployment on customer-chosen hardware platforms, it enables full-featured SD-WAN and SASE security on a wide variety of devices.

Next Gen SD-WAN for Unified Network Connectivity

VX100 virtualizes the capabilities of KonnectOS to diverse hardware, delivering scalable performance for multi-WAN routing, advanced inspection, and high-density traffic management. As a flexible software appliance, it's ideal for cloud, data center, and on-premises deployments that demand robust connectivity and policy control across distributed, industrial, and remote environments.

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



Advanced Network Capabilities Tailored to Your Needs



Reliable WAN and LAN Connectivity for Distributed Enterprises

VX100 provides seamless multi-WAN routing across user hardware platforms, delivering high-speed, low-latency connectivity with intelligent traffic management - enabling integration with existing systems or data center / main office deployments



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, Multi-Path VPN Routing, and Fixed IP via Hub Services

Site-to-site and site-to-hub VPN keeps traffic secure and encrypted. VX100 supports Fixed IP assignments with KonnectHub's hub-and-spoke routing, enabling stable addressing, regional drop-off, and simplified access to remote resources.

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

Edge & Virtual Applications

- Intuitive system management locally or from the Cloud
- Kognitive Cloud with analytics and remote access
- Deployable on user hardware or cloud instances

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

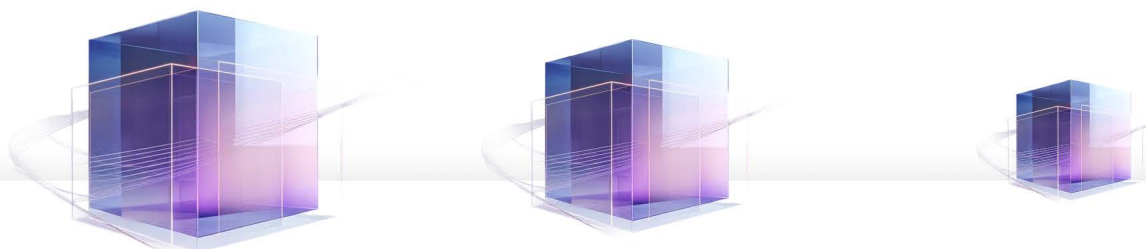
- Connected and Routed Networks
- LAN, DHCP, DNS, Bonjour/M-DNS
- Quality of Service (QoS) and Traffic Management

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

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Kognitive Networks' cybersecurity, advanced routing, and intelligent bandwidth management - virtualized for flexible deployment.



Overview	
Image	KonnnectOS distributed as .qcow2 image for QEMU-based hosts
Platform Support	QEMU/KVM-based Linux hosts, VMware ESXi/vSphere, Proxmox VE, and other hypervisors
Capacity	
SD-WAN Client Capacity	Throughput capability determined by hardware, including processor speed, core count, and virtual machine available memory
SD-WAN Hub Capacity	Throughput capability determined by hardware, including processor speed, core count, and virtual machine available memory
Virtual Instance Requirements	
CPU Cores	2
RAM	8 GB
Disk	120 GB
Network	1 WAN, 1 LAN, 1 Mgmt
Minimum Hardware Specifications - Virtualized Edge Node	
Processor	10th gen Intel, 4 cores
Memory	16 GB DDR4
Storage	512 GB
NICs	2x 1GbE
Recommended Hardware Specifications - Regional Hub	
Processor	3rd Gen Xeon, 8 cores
Memory	32 GB DDR4 or DDR5
Storage	512 GB
NICs	2x 10 GbE SFP+

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