# infoexpress

CGX ACCESS - vLinks

Easy NAC

Overview

The Easy NAC solution uses CGX Access appliances for visibility and protection of the network. To provide visibility and protection, the CGX Access appliance requires layer-2 visibility of the subnets it's protecting. Having layer-2 visibility at the main site can be easily achieved with trunk ports or standard access ports. However, getting layer-2 visibility for remote sites can be more challenging. The vLinks solution is designed to extend the reach of the CGX Access appliances so it can also protect your smaller remote sites with cost effective hardware.

At remote sites, a vLinks appliance is placed on the network for layer-2 visibility. This layer-2 traffic is then tunneled back to a vLinks Central appliance. This tunneled traffic is sent over the existing corporate WAN, so an existing WAN network is required. MPLS and NAT'd network types are supported.

At the main site, a vLinks Central will consolidate the layer-2 traffic from multiple vLinks and share it with the CGX Access appliance using a port directly connected to the CGX Access appliance. With this connectivity in place, CGX Access will detect rogue devices at the branches and quarantine these devices real-time. All Easy NAC features including compliance checks, captive portals, Automated Threat Response, etc., are supported.
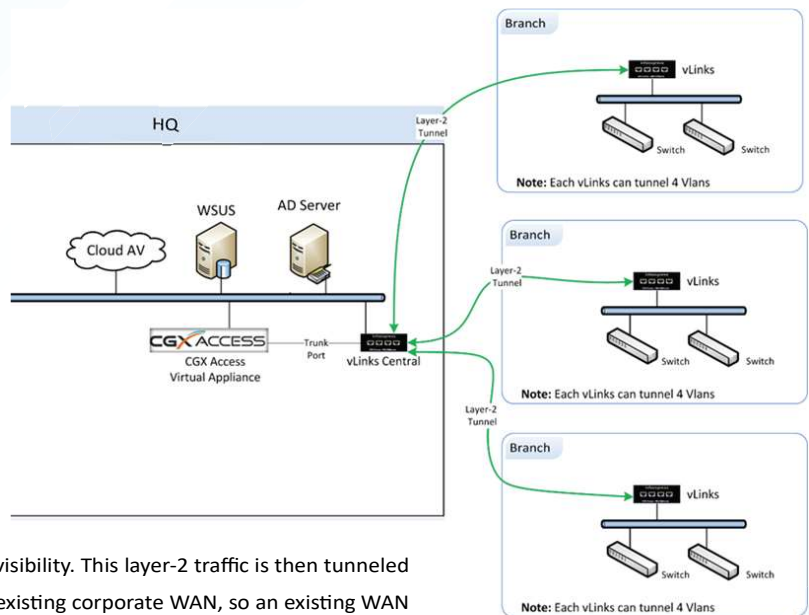
Hardware Specifications - vLinks Central

	VLC-5SM	VLC-12XL
Number of subnets	Support up to 50 subnets	Support up to 200 subnets
Dimension	113mm x 89mm x 28mm	443mm x 193mm x 44 mm
Power Input	24VDC, 0.38A Power Adapter (Included) or 8-30V Passive PoE (with Voltage Monitor)	AC Power (IEC Power Cord)
Supported Voltage Range	8 - 30V DC - 10W Max. Power Consumption	110V - 240V AC - 42W Max. Power Consumption
Power Supply	External AC/DC Adapter	Dual AC Power Inputs
Button / LED	Reset / Power, Ethernet 0 - 4	Reset, Power, Mode / Ethernet 1 - 12, Console, Power1-2, Fault
CPU / Memory /Storage	Dual-Core 880 Mhz, MT7621A / 256 MB / 16 MB	16-Core 1.2Ghz Mhz, TLR4-01680 / 2 GB / 512 MB
Certifications	CE, EAC, ROHS, IP20	CE, EAC, ROHS, IP20
Tested ambient temperature	-40°C to 60°C (with PCB Temperature Monitor)	-40°C to 60°C (with PCB Temperature Monitor)
Network Interfaces	10/100/1000 Ethernet ports x 5	10/100/1000 Ethernet ports x 12

Hardware Specifications - vLinks Network Extenders

	VL-105 (v1)	VL-105 (v2)
Number of subnets	Support up to 4 subnets	Support up to 4 subnets
Dimension	110mm x 75mm x 22 mm	113mm x 89mm x 28mm
Power Input	12V DC, 0.5A Power Adapter (Included) or 24V Passive PoE	24VDC, 0.38A Power Adapter (Included) or 8-30V Passive PoE (with Voltage Monitor)
Supported Voltage Range	9 to 26 VDC - 5W Max. Power Consumption	8 - 30V DC - 10W Max. Power Consumption
Power Supply	External AC/DC Adapter	External AC/DC Adapter
Button / LED	Reset / Power, Ethernet 0 - 4	Reset / Power, Ethernet 0 - 4
CPU / Memory /Storage	Dual-Core 880 Mhz, MIPS1004Kc / 256 MB / 256 MB	Dual-Core 880 Mhz, MT7621A / 256 MB / 16 MB
Certifications	CE, FCC, IC	CE, EAC, ROHS, IP20
Tested ambient temperature	-10°C to 45°C	-40°C to 60°C (with PCB Temperature Monitor)
Network Interfaces	10/100/1000 Ethernet ports x 5	10/100/1000 Ethernet ports x 5

Virtual vLinks Central - Hardware Requirements

	Hardware Requirements
Supported Hypervisor	VMware ESX 6.5 or above / Microsoft Hyper-V Server 2012 or above
CPU / RAM / Storage	Quad Core CPU / 2 GB RAM / 1 GB
Supported Subnets	Up to 200 subnets
Required CHR Version	Vmware (CHR Build - 6.49.5 or 7.1.5) / Microsoft Hyper-V (CHR Build - 6.49.5)
Required Network Configuration	Vmware (Dedicated Port Group) / Microsoft Hyper-V (Internal / Private vSwitch)

Virtual vLinks Network Extenders - Hardware Requirements

	Hardware Requirements
Supported Hypervisor	VMware ESX 6.5 or above / Microsoft Hyper-V Server 2012 or above
CPU / RAM / Storage	Dual core CPU / 1 GB RAM / 1 GB
Supported Subnets	Up to 4 subnets (Requires dedicated Network Interface Per Subnet)