Lumen® Edge Gateway

Enable faster innovation with a cloud experience on premises throughout your edge network

For the past decade, organizations have widely turned to virtualization in the cloud as a superior way to host their business applications. Cloud services vastly enabled flexibility and scale for computing securely, while lowering power consumption and costs.

Today's business and IT leaders are turning to virtualized services across the edge network to drive growth, resiliency and innovation for their organization while balancing budget constraints. The answer is to simplify and automate network, security, and IT functions using a virtualized platform – Lumen Edge Gateway.

Overview

Lumen Edge Gateway is a virtualization platform for your premises enabling on-demand experiences for virtualized network, security, and IT functions – like a mini cloud in your building. Offered as-a-service in flexible management models so you can help reduce hardware costs and optimize your network and IT personnel time by simplifying your premises infrastructure footprint.

With Lumen Edge Gateway, you can boost business agility, reduce total cost of ownership, and minimize your technology investment risks. By simplifying the amount of hardware used in your edge network you can shift your focus from maintaining a static, inflexible architecture, which include hardware end of life cycles and dispatching an IT person to manage and update proprietary network applications on each device, to a single, multi-service vendor agnostic virtualization platform, managed by Lumen.

Benefits

Boost business agility

Operate network, security, and IT workloads, managed by Lumen or you, in near real time and deploy new virtualized services in hours—not months.

Reduce total cost of ownership

High-capacity, stackable designs support more services, reducing the need for additional hardware and lowering capital and maintenance costs, and personnel support time.

Vendor agnostic virtualization platform

Operate on a Lumen provided x86 universal customer premises that supports multiple WAN, security, and IT services from many vendors

On-demand application deployment

Utilize the Lumen portal for real-time application deployment, flexible service-chaining templates, and the Lumen virtualized Framework for Automated Self Testing (vF.A.S.T.) to validate applications before production

Flexible device configuration

Deploy as a standalone device, in a high availability design with two devices, or stacked devices for scaling applications

Common Use Cases

- Stepwise approach for migration to SD-WAN
- WAN equipment technology refresh/upgrade
- Best of breed modular, multi-vendor implementations
- Public cloud with SD-WAN deployed as virtual service
- App server/compute-as-a-service at customer premises, e.g., point of sale (POS), supply chain, CRM & IoT

Minimize technology investment risk

Upgrade your premises and future proof your edge network with a single platform for multiple virtualized services and support from multiple vendors — moving from a static, inflexible architecture to one that is agile, software-driven, and vendor agnostic.

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Features and Specs

- Lumen provided x86 universal customer premises equipment (uCPE) with a rackmount and desktop form factor that's also rack mountable (see table below for device options).

- Customer Command Center portal

  - Dashboard summary views
  - Virtual network functions status
  - Change control

    - Start/Stop/Restart
    - Add/Remove/Resize applications
    - Virtual console access

- Multiple Virtual Network Functions (VNFs) / vendor support

  - SD-WAN and traditional routing – Versa, VMware, Fortinet and more
  - Security – Fortinet, Palo Alto and more
  - Hosted IT functions – Linux, Windows, Kubernetes and more
  - Voice – Audio Codes, Ribbon, and more
  - Analytics – NetScout and more

Why Lumen?

Easily adapt to ongoing business demands with ease and flexibility with a virtualization platform including:

- Comprehensive customer solutions with breadth and depth of Lumen portfolio

- Management flexibility – Lumen managed and self-managed capabilities

- Deploy virtualized services quickly with templatized service chaining and vF.A.S.T. deployment testing

- Easily scale device configurations

- Global network to connect your employees and customers

	Model	Manufacturer	Processor	Cores/Memory/Storage	Bandwidth	Ports	LTE
	U0832-E08L-01	Lanner	ATOM	8/32GB/512GB	1Gbps	RJ45 x 6 1GbE SFP x 2 1GbE	Internal or External
	U1632-E08L-01			16/32GB/1TB			
	U1664-E08L-01			16/64GB/4TB			
	U1632-E09L-01			16/32GB/1TB	3Gbps	RJ45 x 5 1GbE SFP+ x 4 10GbE	
	U1632-E17-01			16/32GB/1TB		RJ45 x 13 1GbE SFP+ x 4 10GbE	External

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