



Angora Networks

Verge Enterprise Ethernet Switches

VERGE ethernet switch family, provides next generation solutions you need to support your business requirements on different technologies that request robust products with high capacity and extensive security. Verge includes features, that makes it possible to protect your sensitive data and use the bandwidth that your applications requested, more effectively by maximizing your business critical applications availability.

With 8, 24 or 48 high density Gigabit Ethernet interface and 4 SFP+ uplinks, it provides top class solutions on your continuously expanding work environment with unified access technologies support. VERGE switches are ideal combination of ease of installation and use, support options and features that meets your business requirements and provides a better edge to edge connected workspace.

Enterprise Applications

Whether you need to build a high speed network to connect your users to centralized services, or aggregate your traffic, or a complete solution to deliver voice, video and data, VERGE provides different options for all your needs:

Aggregation: With its 4x10 Gigabit interface, you can connect your edge devices, to your network backbone in a redundant way and provide robust and high speed network access to all your endpoints.

Secure Connectivity: VERGE allows all your users to access easily and securely to your resources. High performance and secure and reliable connectivity help high speed processing and file transfer, and also improve network uptime, that keeps your business flows uninterrupted.

Unified Communications: VERGE, with different management options, provides advanced traffic management intelligence and high performance, and also helps you deliver different communications traffic over a single network. Specific requirements for voice, video and data can be met with different specifications over a single device.

High Security Guest Access: VERGE helps you share your network with your guests or other devices outside your enterprise, on your public places such as waiting rooms, hotels or even inside your office, by applying highly secure authentication methods. Powerful yet easy to configure security and traffic segmentation features, not only helps you isolate your private network from guests, it also protect your guests sessions from each other.

Highest Level of Security

VERGE, prevents unauthorized access while protecting your information with its rich security feature set

- Limits and blocks access to specific segments in your network, with its advanced network security features, such as IEEE 802.1x port security. Web based authentication support, allows easier access, by using a simple and useful interface instead of using 802.1x for all types of client endpoints.
- Detects and blocks directed attacks via Dynamic ARP Inspection, IP Source Guard and DHCP Snooping with its advanced protection methods.
- Comprehensive security features such as, RA Guard, ND Inspection, DHCP6 Protection, Neighbor Binding Integrity Check and IPv6 first hop security provides protection against address spoofing and man-in-the-middle attacks on IPv6 networks.
- Embedded SSL encryption, allows switch management traffic transferred with highest security.
- Extensive Access Control Lists (ACL), limit unauthorized users access and provide basic security against network attacks.
- Time based ACL and port security allows you to limit network access by predefined time intervals such as business hours.
- Guest VLANs, while providing internet and network access to your visitors and guests, it also isolates your corporate traffic.
- Automatic single mac address based security can be applied, while your users roam from one wi-fi access point to other.
- Layer 2 isolation within the same VLAN can be implemented with private VLAN support.
- Broadcast, multicast and unknown unicast storm controls are supported
- Management sessions can be authenticated via RADIUS, TACACS+ and local database.

Ease of Deployment and Operation

VERGE family is designed for easy installation and operation for enterprise customers and service providers.

- Easy to use graphical user interface, minimize the time required to install, manage and troubleshoot your network and allows different features to be configured very quickly without any new IT head count.
- Command Line Interface (CLI), you can use to configure and monitor all features.
- With port intelligence, VERGE switches can automatically detects the connected devices, and applies related security, QoS and availability options.
- Remote configuration and management services are provided by Simple Network Management Protocol (SNMP), and improve your workflows and also allows multiple device configurations.
- VERGE switches can be integrated with management systems and automation and orchestration solutions via REST API* support.

IPv6 Support

As the current IP address scheme is evolving to support growing number of connected devices, VERGE support your migration to next generation IPv6 deployments. While allowing support for current IPv4 networks, VERGE helps you run a dual stack network, and change your infrastructure on your own pace without affecting your day to day business flows.

Basic Layer 3 Features*

VERGE allows your network to be segmented, by initially supporting static Layer 3* routing for inter-vlan packet forwarding without any drop on performance.

Energy Efficiency

VERGE integrates a variety of power saving features on all models, providing most energy-efficient switching portfolio. VERGE switches are designed to save energy by optimizing power usage, which helps protecting our environment and minimize costs, providing eco-friendly operation without any performance loss.

- Supports Energy Efficient Ethernet IEEE 802.3az standard, which helps reducing power consumption by changing the port status to sleep state during quite periods, after analyzing the traffic passing from this port.
- Latest application specific integrated circuits, using 65/40 nanometer technology, and low power/high performance ARM based CPU, minimize energy requirements
- Automatic power cut option provided on down link state.
- Leds can be turned off to save power.
- Embedded intelligence adjusts signal levels based on cable length.

Ordering Information

ANW-VRG-24T-10G-4SFP	24 10/100/1000BASE-T, 4 unpopulated SFP/SFP+, 1 AC PSU, AngoraOS IP Base license
ANW-VRG-24P-10G-4SFP	24 10/100/1000BASE-T Smart PoE+, 4 unpopulated SFP/SFP+, 1 AC 440W PSU, AngoraOS IP Base license
ANW-VRG-24-UPG-10G	Upgrade Licence to 10G uplink speed

