

# ENTERPRISE SWITCHING INFRASTRUCTURE

**BUILT FOR PERFORMANCE.  
DESIGNED FOR SCALE.**

High-performance switching solutions  
for enterprise, government, healthcare,  
and mission-critical environments.



**HIGH  
PERFORMANCE**

**ADVANCED  
ROUTING**

**ENTERPRISE  
SECURITY**

**HIGH  
AVAILABILITY**

**INTELLIGENT  
AUTOMATION**

**SCALABLE  
INFRASTRUCTURE**

# ENTERPRISE SWITCHING BUILT FOR MODERN NETWORKS.

High-performance switching platform engineered to deliver speed, scalability, security, and reliability for enterprise, government, healthcare, and mission-critical environments.



## KEY CAPABILITIES



### HIGH PERFORMANCE

Non-blocking architecture with wire-speed forwarding.



### ADVANCED SECURITY

Built-in security features to protect and segment your network.



### SCALABLE & FLEXIBLE

Designed to scale with growing network and business needs.



### HIGH RELIABILITY

Redundant components for uninterrupted network availability.



### EASY MANAGEMENT

Intuitive management with automation and real-time visibility.



### FUTURE READY

IPv4/IPv6 support and modern protocols for next-generation networks.

## PLATFORM HIGHLIGHTS

# 24

GIGABIT PORTS



# 4

1G/10G UPLINK PORTS



# 128

GBPS SWITCHING CAPACITY



# 32K

MAC ADDRESS TABLE



# 4K

VLAN SUPPORT



# 8K

IPv4 ROUTES



# 2K

IPv6 ROUTES



## DEPLOYMENT USE CASES



### DATA CENTERS

High-speed, low-latency connectivity for modern data center networks.



### GOVERNMENT NETWORKS

Secure, reliable, and scalable networks for public sector operations.



### CAMPUS NETWORKS

Seamless connectivity across campuses and distributed sites.



### HEALTHCARE INFRASTRUCTURE

Reliable networks for critical healthcare applications.



### ENTERPRISE WAN

High-performance connectivity for distributed enterprises.

# INTELLIGENT NETWORK CONTROL.

## ADVANCED ROUTING. AUTOMATED OPERATIONS.

Powerful Layer 3 routing and modern automation capabilities deliver agility, visibility, and control for today's dynamic enterprise networks.



### ADVANCED ROUTING CAPABILITIES



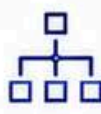
#### OSPF

- Fast convergence
- Area based design
- Scalable routing



#### BGP

- External routing
- Policy based routing
- High scalability



#### ISIS

- Link state protocol
- Efficient & scalable
- High availability



#### EVPN

- L2/L3 VPN services
- Optimized performance
- Multi-tenant networking



#### VXLAN

- Network virtualization
- Scalable overlays
- Efficient segmentation

### AUTOMATION & PROGRAMMABILITY



#### PYTHON



#### BASH SCRIPTING



#### OpenConfig OPENCONFIG



#### NETCONF



#### gRPC



#### STREAMING TELEMETRY

### VISIBILITY & INSIGHTS



#### REAL-TIME MONITORING



#### TELEMETRY COLLECTION



#### NETWORK ANALYTICS



#### OPERATIONAL INSIGHTS



SECURE  
CONNECTIVITY



HIGH  
PERFORMANCE



FLEXIBLE  
DEPLOYMENT



SMART  
OPERATIONS

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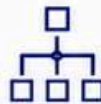
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### AUTOMATION & PROGRAMMABILITY



**PYTHON  
AUTOMATION**



**BASH  
SCRIPTING**



**OpenConfig  
OPENCONFIG**



**NETCONF**



**gRPC**



**STREAMING  
TELEMETRY**

### VISIBILITY & INSIGHTS



**REAL-TIME MONITORING**

Continuous visibility into network performance and health.



**TELEMETRY COLLECTION**

Streaming telemetry for real-time data collection and granular observability.



**NETWORK ANALYTICS**

Analyze performance, trends, and utilization for smarter decision making.



**OPERATIONAL INSIGHTS**

Actionable insights to improve efficiency, reduce downtime, and enhance user experience.



**SECURE  
CONNECTIVITY**



**HIGH  
PERFORMANCE**



**FLEXIBLE  
DEPLOYMENT**



**SMART  
OPERATIONS**

# BUILT FOR CONTINUOUS OPERATIONS. RELIABLE. RESILIENT. READY.



Engineered for high availability and enterprise-scale deployments, our switches ensure uninterrupted connectivity, maximum uptime, and mission-critical reliability.

## HIGH AVAILABILITY & RESILIENCE



### N+1 REDUNDANT FANS

Intelligent fan design ensures efficient cooling and continuous operation under all conditions.



### N+1 REDUNDANT POWER SUPPLY

Dual, hot-swappable power supplies provide uninterrupted power and protection.



### HIGH AVAILABILITY ARCHITECTURE

Designed for resilience with non-blocking performance and robust hardware architecture.



### ENTERPRISE RELIABILITY

Built for 24x7 operations in demanding environments with exceptional stability and durability.

## ENTERPRISE SCALE & CAPACITY



# 8K

IPV4  
ROUTES



# 2K

IPV6  
ROUTES



# 4K

VLAN  
SUPPORT



# LACP

LINK  
AGGREGATION

### LAYER 2 FEATURES

- 802.1Q VLAN
- Port Trunking (LACP)
- STP / RSTP / MSTP
- LLDP
- IGMP Snooping

### LAYER 3 FEATURES

- Static Routing
- OSPF / BGP / ISIS
- Policy Based Routing
- IPv4 / IPv6 Dual Stack
- EVPN / VXLAN Support

## MANAGEMENT & OPERATIONS



WEB GUI



CLI



SNMP



RMON



SYSLOG



AUTOMATED  
UPDATES



GOVERNMENT



HEALTHCARE



EDUCATION



TELECOM



MANUFACTURING



DATA CENTERS

SECURE CONNECTIVITY. INTELLIGENT INFRASTRUCTURE.

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# CONNECT. CONTROL. SCALE.



**PINACA TECHNOLOGIES**

ENTERPRISE SECURITY • NETWORK INFRASTRUCTURE • AI PLATFORMS



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