

## DATASHEET

# Exaware Features and Capabilities

## Specifications

### ROUTING PROTOCOLS

- IPv4, IPv6 Dual stack
- eBGP, iBGP at scale
- MP-BGP
- Multi-AS VPN/BGP-LU
- BGP signaling for L3VPN
- BGP signaling for L2VPN
- Seamless MPLS
- L3VPN
- L2VPN
- Inter-AS L3VPN
- 6PE and 6VPE
- VPWS
- H-VPLS
- OSPFv2, v3
- IS-IS – IPv4/IPv6, Multi topology
- Route distribution across protocols
- PIM-SSM/SM
- IGMPv3
- LDP, T-LDP
- RSVP-TE
- IGP shortcut
- OSPF-TE
- ISIS-TE
- Internet Access
- NH Tracking
- VRRP V2, V3 IPv4/IPv6
- Static-Route
- BGP RPKI
- Route leak
- DHCP Snooping

### TIMING

- SyncE
- IEEE1588

### MANAGEMENT

- Hierarchical, Commit based CLI
- NETCONF
- SSH
- Telnet
- Out-of-band and in-band management
- SNMPv2/V3
- RBAC
- AAA/TACACS+/Radius
- NTP
- Syslog
- Rich, Hierarchical Policy
- Language
- Enhanced logging
- Optical monitoring

### SECURITY

- Data Path ACL
- Control Plane ACL
- Management VRF Separation
- Hardware policing for CPU traffic
- MD5 for routing protocols
- BGP FlowSpec

### HIGH AVAILABILITY

- Process restart
- Graceful restart for all routing protocols

### QOS & POLICY

- Hierarchical Shaping
- Per PORT/VLAN rate control
- WRED
- Weighted and strict priority queues
- Minimum latency queues
- 8 Queues per port/VLAN
- Ingress policing
- PRI/DSCP/EXP classification
- Flexible packet fields classification
- Ethernet EBN (MW dynamic rate)

### DATA PATH

- VLAN
- QinQ for all services
- LAG
- MPLS FRR
- IP-LFA
- Hierarchical FIB
- BGP-PIC Core/Edge
- Two level load-balancing
- VRF at scale
- BFD

### INFRASTRUCTURE

- ONIE Bootloader
- Standard ONL
- Embedded KVM Hypervisor



## OPEN ARCHITECTURE

- Modern software environment
- Open architecture for applications additions and programmability



## UNIFIED SOFTWARE PLATFORM

- MPLS VPNs, L2VPNs, L3VPNs, VPWS and VPLS services
- Flexibly customize access networks in line with your preferences
- Third-party NMS/SDN controller



## CARRIER GRADE ROUTING SOLUTION

- A decade of development with ExaNOS
- Successfully deployed among several Tier 1 service providers
- Critical redundancy
- Two-phase commit



## REDUCED TCO

- Choose from plan-ahead (chassis) to pay-as-you-grow
- Generate new revenue streams with third-party applications
- Break the chains of vendor lock-in

Get a Quote >