Netberg Aurora 615

- ONIE Pre-loaded
- Innovium Teralynx
- Best performance and latency
- Breakthrough telemetry
- SONiC-ready
- X86 Linux apps

With the emergence of Autonomous cars, 5G cloud-native architectures, Smart Cities, and other Edge Applications, lots of data is being generated and processed at the Edge Data Centers. In addition to performance, critical data center requirements include real-time, actionable analytics, programmability for future-proof infrastructure, low latency, high power efficiency, and flexibility.
Aurora 615 with 2.4T Innovium Teralynx switching silicon aims to answer these challenges. Up to 2x lower latency, most power-efficient design reducing carbon footprint, and unmatched telemetry&analytics are packed into a 1U box with breakthrough cost in its class.
Aurora 615 provides breakthrough capabilities for ToR, Enterprise, Edge, and 5G deployment scenarios with:

- Largest on-chip buffers in a switch of its class to deliver best-in-class network quality
- Robust RoCE for lowest latency and rich QoS necessary for distributed storage and AI applications
- Leading table sizes&ACLs needed at the access layer and edge
- FLASHLIGHT delivers actionable, real-time telemetry data correlated to applications, which is essential to monitor, troubleshoot and simplify network operations
- A breakthrough cost that delivers 2X+performance per $ vs. alternatives
- SW programmability for support of new protocols, achieved without impact to throughput or latency

Highlights:

- Interfaces: 48x 25G SFP 28 ports + 8x 100G QSFP28 Ports, Management (1000Base-T), RJ45 Console Port, and USB2.0 (Type A)
- Intel® Pentium D-1508 CPU
- 16GB DRAM, 128GB m.2 SSD
- Innovium Teralynx 5 IVM55200
- Switching Capacity: 2.4Tbps, 45MB Packet Buffer
- 600W 1+1 RPSU, 100V~240V AC / 50~60Hz
- 4 N+1 redundant fans,
Front-to-Back/Back-to-Front Airflow
- Fan LED, System status LED, PSU1 status LED, PSU2 status LED
- Operating temperature: 0~40°C
- Operating humidity: 20-95% maximum relative humidity (non-condensing)
- FCC, CE, RoHS6

About us

Netberg is a provider of advanced hardware solutions for data centers and enterprises worldwide. With vast expertise in hardware and software, we aim to provide the best solutions for servers, Ethernet switches and routers, telecom solutions, and custom HW/SW products. More information about Netberg available at www.netbergtw.com

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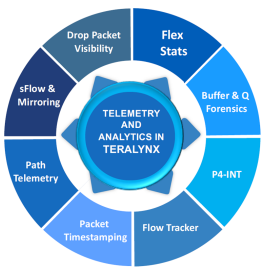
SONiC is a Linux-based open-source networking operating system with its roots in the open community and Microsoft as an original contributor. Today it has over fifty member companies and thousands of individuals contributing. It is fully open-sourced at OCP.
Deployment at Range of Cloud&Telco engagements. Strong feature list and roadmap.

- **Deployment at Range of Cloud&Telco engagements.**
- **Strong feature list and roadmap.**

- BGP
- ECMP
- LAG
- LLDP
- QoS - ECN
- QoS - RDMA
- Priority Flow Control
- WRED
- COS
- SNMP
- Syslog
- Sysdump
- NTP
- COPP
- DHCP Relay Agent
- SONiC to SONiC upgrade
- One Image
- VLAN
- ACL permit/deny
- IPv6
- Tunnel Decap
- Mirroring
- Post Speed Setting
- BGP Graceful restart helper
- BGP MP
- Fast Reload
- PFC WD
- TACACS+
- MAC Aging
- LACP Fallback
- MTU Setting
- Vlan Trunk
- IPv6 ACL
- BGP/Neighbor-down fib-accelerate
- Port breakout
- Dynamic ACL Upgrade
- Critical Resource Monitoring
- MAC Aging
- IPv6 ACL
- BGP/Neighbor-down fib-accelerate
- PFC WD
- gRPC
- Dtel support
- Sensor transceiver monitoring
- LLDP extended MIB: lldpremtable, lldplocporttable, lldpremmanaddrtable, lldplocmanaddrtable, lldplocporttable, lldpLocalSystemData
- Warm Reboot
- Incremental Config (IP, LAG, Port shut/unshut)
- Asymmetric PFC
- PFC Watermark
- VXLAN
- Routing Stack Graceful Restart
- Egress ACL bug fix and ACL CLI enhancement
- L3 RIF counter support
- BGP-EVPN support(type 5), (related HLD Fpmsyncd,Vxlanmgr,template)
- ZTP
- Mgmt VRF
- sFlow
- VRF
- SSD diagnostic tolling
- Sub-port support
- Egress mirroring and ACL action support check via SAI
- Configurable drop counters
- HW resource monitor
- NAT



Innovium's FLASHLIGHT™ Telemetry provides customers an advanced, consistent, and scalable solution for end-to-end monitoring of their data center networks. FLASHLIGHT offers the industry's most powerful network visibility tools with unmatched sub-microburst detection with the industry's only solution running line-rate in-band telemetry at 12.8Tbps, all done in hardware.

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