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PRODUCTS

Aurora 750

- ✓ • Intel Xeon D-1527 CPU
- ✓ • ONIE Pre-loaded
- ✓ • Barefoot Tofino
- ✓ • 64 × 100G
- ✓ • ONL ready
- ✓ • Programmable pipelines by P4

Description

Specification

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MSRP	US\$13,500 for Aurora 750 bare metal switch preloaded with ONIE (https://bm-switch.com/index.php/bare-metal-switches/spine-switches/netberg-aurora750-100g-bms.html)
Ports	64x 100/50/40GbE QSFP28 ports in 2 RU Up to 256x 25/10G SFP28 ports via break-out cables 2x 10G SPF+ ports 1x RJ-45 out-of-band (10/100/1000) management 1x RJ-45 console (RS232) 1x USB
Front IO	Fan LED System status LED PSU1 status LED PSU2 status LED Reset button Service tag
Performance	Switching silicon: 6.4Tbps Barefoot Tofino BFN-T10-064Q Forwarding rate: 9Gpps Latency: <800 ns (PHY-less) Packet Buffer: 22MB Intel® Xeon® Processor D-1527 16GB DDR4 ECC 128GB M.2 SSD

Power	1200W 1+1 RPSU 80+ Platinum: 100V~240V AC / 50~60Hz 240V DC
	Typical/Max power draw: 730/860 Watts (with optics)
Cooling	4 N+1 redundant fans Front-to-Back airflow
Dimensions (DxWxH)	2U, 600 x 440 x 88 mm Rackmount kit
Environment	Operating temperature: 0~45°C Operating humidity: 20-95% maximum relative humidity (non-condensing)
Warranty	3 year (https://netbergtw.com/top-support/articles/service_and_warranty/)
EMC and safety	FCC (https://netbergtw.com/wp-content/uploads/Files/aurora750_CER_FCC.pdf) CE Declaration of Conformity (https://netbergtw.com/wp-content/uploads/Files/CE-750.pdf) Reduction of Hazardous Substances (RoHS) 6 (https://netbergtw.com/wp-content/uploads/Files/RoHS-750.pdf)
Compatible NOS	ONIE bootloader and a set of developer tools Open Network Linux Stratum (https://github.com/stratum/stratum) Azure SONiC
SONiC	* 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
- * SWSS Unit Test Framework (best effort)
- * ConfigDB Framework
- * Critical Resource Monitoring
- * MAC Aging
- * IPv6 ACL
- * BGP/Neighbor-down fib-accelerate
- * PFC WD
- * gRPC
- * Dtel support
- * Sensor transceiver monitoring
- * LLDP extended MIB: Ildpretable, Ildploporttable, Ildpremanaddrtable, Ildplocomaddrtable, Ildploporttable, IldpLocalSystemData
- * Debian Kernel 4.9
- * Warm Reboot
- * Incremental Config (IP, LAG, Port shut/unshut)
- * Asymmetric PFC
- * PFC Watermark
- * Routing Stack Graceful Restart
- * Basic VRF and L3 VXLAN
- * FRR as default routing stack
- * Everflow enhancement
- * Egress ACL bug fix and ACL CLI enhancement
- * L3 RIF counter support
- * PMon Refactoring
- * BGP-EVPN support(type 5), (related HLD Fpmsyncd,Vxlanmgr,template)



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