



PRODUCTS

# Aurora 710

- ✓ • Intel Xeon D-1527 CPU
- ✓ • ONIE Pre-loaded
- ✓ • Barefoot Tofino
- ✓ • 32 × 100G
- ✓ • ONL ready
- ✓ • Programmable pipelines by P4

Description

Specification

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MSRP	US\$7500 for Aurora 710 bare metal switch preloaded with ONIE ( <a href="https://bm-switch.com/index.php/bare-metal-switches/spine-switches/netberg-aurora710-100g-bms.html">https://bm-switch.com/index.php/bare-metal-switches/spine-switches/netberg-aurora710-100g-bms.html</a> )
Ports	32x 100/50/40GbE QSFP28 ports in 1 RU 2x 10G SPF+ ports Up to 128x 25/10G SFP28 ports via break-out cables 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
Performance	Switching silicon: 3.2T Barefoot Tofino BFN-T10-032D Forwarding rate: 2500Mpps Latency: <800 ns (PHY-less) Packet Buffer: 20MB Intel® Xeon® Processor D-1527 16GB DDR4 ECC 128GB M.2 SSD

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Power	550W 1+1 RPSU 80+ Platinum: 100V~240V AC / 50~60Hz 240V DC  800W 1+1 -40V~-60V DC ( <a href="https://netbergtw.com/top-support/articles/800w-48v-dc-psu-module/">https://netbergtw.com/top-support/articles/800w-48v-dc-psu-module/</a> ) RPSU (option)
Cooling	4 N+1 redundant fans Front-to-Back/Back-to-Front airflow
Dimensions (DxWxH)	1U, 430 x 440 x 44 mm Rackmount kit (option)
Environment	Operating temperature: 0~45°C Operating humidity: 20-95% maximum relative humidity (non-condensing)
Warranty	3 year ( <a href="https://netbergtw.com/top-support/articles/service_and_warranty/">https://netbergtw.com/top-support/articles/service_and_warranty/</a> )
EMC and safety	FCC ( <a href="https://netbergtw.com/wp-content/uploads/Files/aurora710_CER_FCC.pdf">https://netbergtw.com/wp-content/uploads/Files/aurora710_CER_FCC.pdf</a> ) CE Declaration of Conformity ( <a href="https://netbergtw.com/wp-content/uploads/Files/CE-710.pdf">https://netbergtw.com/wp-content/uploads/Files/CE-710.pdf</a> ) Reduction of Hazardous Substances (RoHS) 6 ( <a href="https://netbergtw.com/wp-content/uploads/Files/RoHS-710.pdf">https://netbergtw.com/wp-content/uploads/Files/RoHS-710.pdf</a> )
Compatible NOS	ONIE bootloader and a set of developer tools Open Network Linux Stratum ( <a href="https://github.com/stratum/stratum">https://github.com/stratum/stratum</a> ) Azure SONiC

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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



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