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PRODUCTS

# Aurora 710

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

Description

Specification

## Specification

|      |   |
|------|---|
| MSRP | US\$11000 for Aurora 710 bare metal switch preloaded with ONIE<br>( <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<br>2x 10G SPF+ ports<br>Up to 128x 25/10G SFP28 ports via break-out cables<br>1x RJ-45 out-of-band (10/100/1000) management<br>1x RJ-45 console (RS232)<br>1x USB |
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| Front IO | Fan LED<br>System status LED<br>PSU1 status LED<br>PSU2 status LED<br>Reset button |
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|-----------------------|---|
| Performance           | Switching silicon: 3.2Tbps Barefoot Tofino DFN-T10-032D<br>Forwarding rate: 2980Mpps<br>Latency: <400 ns (PHY-less)<br>Packet Buffer: 20MB<br>Intel® Xeon® Processor D-1527<br>8GB DDR4 ECC (up to 16GB)<br>128GB M.2 SSD |
| Power                 | 550W 1+1 RPSU 80+ Platinum:<br>100V~240V AC / 50~60Hz<br>240V DC<br><br>800W 1+1 RPSU -48V DC (option)  |
| Cooling               | 4 N+1 redundant fans<br>Front-to-Back/Back-to-Front airflow   |
| Dimensions<br>(DxWxH) | 1U, 430 x 440 x 44 mm<br>Rackmount kit (option)   |
| Environment           | Operating temperature: 0~45°C<br>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<br>CB<br>CCC<br>Reduction of Hazardous Substances (RoHS) 6  |
| Compatible NOS        | ONIE bootloader and a set of developer tools<br>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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