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## PRODUCTS

## Aurora 705

- ✓ • Intel Xeon D-1527 CPU
- ✓ • ONIE Pre-loaded
- ✓ • Nephos Taurus NP8367
- ✓ • 32 × 100G
- ✓ • ONL ready

Description

Specification

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MSRP	US\$6,400 for Aurora 705 bare metal switch preloaded with ONIE ( <a href="https://bm-switch.com/index.php/bare-metal-switches/spine-switches/netberg-aurora705-100g-bms.html">https://bm-switch.com/index.php/bare-metal-switches/spine-switches/netberg-aurora705-100g-bms.html</a> )
Ports	32x 100/50/40GbE QSFP28 ports in 1 RU 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 Service tag
Performance	Switching silicon: 3.2Tbps Nephos Taurus NP8367 Larger Service Scale: >800K IP addresses, >70K ACLs, push > 10 labels (MPLS or user defined) Wire-speed programmable parsing with FlexPPE architecture Packet Buffer: 28MB Intel® Xeon™ Processor D-1527 8GB DDR4 ECC (up to 16GB) 128GB SSD

Power	550W 1+1 RPSU 80+ Platinum: 100V~240V AC / 50~60Hz 240V DC
	Typical/Max power draw: 350/415W Watts (with optics)
Cooling	4 N+1 redundant fans Front-to-Back/Back-to-Front airflow
Dimensions (DxWxH)	1U, 430 x 440 x 44 mm Rackmount kit
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 CE Declaration of Conformity ( <a href="http://netbergtw.com/wp-content/uploads/Files/CE-705.pdf">http://netbergtw.com/wp-content/uploads/Files/CE-705.pdf</a> ) Reduction of Hazardous Substances (RoHS) 6 ( <a href="http://netbergtw.com/wp-content/uploads/Files/RoHS-705.pdf">http://netbergtw.com/wp-content/uploads/Files/RoHS-705.pdf</a> )
Compatible NOS	Open Network Linux Microsoft SONiC
SONiC	<ul style="list-style-type: none"> <li>* BGP</li> <li>* ECMP</li> <li>* LAG</li> <li>* LLDP</li> <li>* QoS - ECN</li> <li>* QoS - RDMA</li> <li>* Priority Flow Control</li> <li>* WRED</li> <li>* COS</li> <li>* SNMP</li> <li>* Syslog</li> <li>* Sysdump</li> <li>* NTP</li> <li>* COPP</li> <li>* DHCP Relay Agent</li> <li>* SONiC to SONiC upgrade</li> <li>* One Image</li> <li>* VLAN</li> <li>* ACL permit/deny</li> <li>* IPv6</li> <li>* Tunnel Decap</li> <li>* Mirroring</li> <li>* Post Speed Setting</li> <li>* BGP Graceful restart helper</li> <li>* BGP MP</li> <li>* Fast Reload</li> <li>* PFC WD</li> <li>* TACACS+</li> </ul>

- \* 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, Ildplocporttable, Ildpremanaddrtable, Ildplocmanaddrtable, Ildplocporttable, 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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