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## PRODUCTS

## Aurora 610

- ✓ • Intel Xeon D-1527 CPU
- ✓ • ONIE Pre-loaded
- ✓ • Barefoot Tofino
- ✓ • 8 × 100G + 48 × 25G
- ✓ • BMC enabled
- ✓ • ONL ready
- ✓ • Programmable pipelines by P4

Description

Specification

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MSRP	US\$7500 for Aurora 610 bare metal switch preloaded with ONIE ( <a href="https://bm-switch.com/index.php/bare-metal-switches/leaf/netberg-aurora610-100g-bms.html">https://bm-switch.com/index.php/bare-metal-switches/leaf/netberg-aurora610-100g-bms.html</a> )
Ports	48x 10/25GbE SFP28 + 8x 100/40GbE QSFP28 ports in 1 RU Up to 8 x 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 PSU status LED Reset button
Performance	Switching silicon: 2.0Tbps Barefoot Tofino BFN-T10-032D-020 Forwarding rate: 2000Mpps Latency: <800 ns (PHY-less) Packet Buffer: 22MB Intel® Xeon D-1527 CPU 8GB DDR4 ECC (up to 16GB) 128GB M.2 SSD
Management	ASPEED AST2520 BMC IPMI 2.0, shared Ethernet port

Power	800W 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
Dimensions (DxWxH)	1U, 505 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 CE Declaration of Conformity Reduction of Hazardous Substances (RoHS) 6
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
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> </ul>

- \* 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: lldpremtable, lldplocporttable, lldpremanaddrttable, lldplocmanaddrttable, lldplocporttable, lldpLocalSystemData
- \* 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 en-hancement
- \* L3 RIF counter support
- \* PMon Refactoring
- \* BGP-EVPN support(type 5), (related HLD Fpmsyncd,Vxlanmgr,template)



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