

## Open Networking meets Open Software for Data Center deployments



### Product Overview

Edgecore’s SONiC Distribution is a hardened, fully supported, open distribution of SONiC (Software for Open Networking in the Cloud) which runs on Edgecore Open Networking switches.

The SONiC community is being led by Microsoft and many other key players, including Edgecore, to deliver a robust, proven software infrastructure to enable customers to build highly scalable, data center networks. Containing proven Layer-2 and Layer-3 protocols, along with a modern micro-services architecture, customers can extend the functionality of SONiC to meet their specific use case.

Edgecore’s SONiC distribution is built directly from the Community SONiC distribution, which has been further tested and hardened to ensure production-ready deployment on Edgecore Open Networking platforms. Each release is based upon the latest Community SONiC release to allow customers to work with an Open Community while also having confidence that the branch used for their deployments is robust and supportable.

### Key Features and Benefits

- Production Quality distribution of the latest Community SONiC release
- Open NOS platform benefiting from large Community of developers
- ALL changes contributed back to the Community
- Supports multiple merchant switching silicon platforms
- Technical Support provided by Edgecore for the full software stack – drivers to applications
- Single point of contact for both hardware and software support

### Supported Platforms

- AS4630-54PE (Broadcom XGS Trident 3.x3)\*
- AS5835-54x (Broadcom XGS Trident 3.x5)
- AS7326-56X (Broadcom XGS Trident 3.x7)
- AS7726-32X (Broadcom XGS Trident 3.x7)
- AS7816-64X (Broadcom XGS Tomahawk 2)
- AS8000-Minipack (Broadcom XGS Tomahawk 3)
- AS9716-32D (Broadcom XGS Tomahawk 3)\*
- Wedge100BF-32X (Intel Barefoot Tofino)\*

\*Future Release



## Features

### Layer 2

- LAG
- LLDP
- VLAN / VLAN Trunking
- MC-LAG
- MAC Aging

### Layer 3

- BGP
- ECMP
- VRF
- VxLAN
- IPv6
- BGP Graceful Restart
- BGP Graceful Restart Helper
- BGP Multi-protocol
- NAT
- eVPN (BGP, Type 5)
- eVPN (VxLAN, Types 2 and 3)

### Management and Monitoring Features

- SNMP
- Syslog
- Sysdump
- NTP
- DHCP Relay Agent
- Platform Monitoring
- Thermal Monitor
- Logfiles
- DNSutils
- Reachability Tools
- OpenSSH / SCP / SCT
- Zero Touch Provisioning\*
- Management VRF
- Port Speed Setting
- Fast Reload
- MTU Setting
- Static Port Breakout
- Critical Resource Monitoring
- Telemetry Support
- Sensor Transceiver Monitoring
- Warm Reboot
- Incremental Config / Config Replace
- Everflow
- DOM Optics Data
- sFlow
- Configurable Drop Counters
- SSD Diagnostic Tooling

### QoS

- ECN
- COS
- DSCP
- Priority Flow Control (PFC)
- PFC-WD
- Asymmetric PFC
- PFC Watermark
- WRED
- Ingress ACL-based Mirroring (ERSPAN)

### Security Features

- Ingress/Egress ACL Permit/Deny
- IPv6 ACL
- COPP
- TACACS+
- AAA with TACACS

### For More Information

Edgecore's SONiC Distribution is available for download and use on supported platforms without charge from the Edgecore website upon registration. Edgecore offers optional support services for SONiC on Edgecore platforms.

To find out more about Edgecore Networks Corporation products and solutions, visit [www.edge-core.com](http://www.edge-core.com).

### About Edgecore Networks Corporation

Edgecore Networks Corporation is in the business of providing innovative network solutions. In the service provider network, in the data center or in the cloud, Edgecore Networks Corporation delivers the software and systems that transform the way the world connects. Edgecore Networks Corporation serves customers and partners worldwide. Additional information can be found at [www.edge-core.com](http://www.edge-core.com).

Edgecore Networks Corporation is a subsidiary of Accton Technology Corporation, the leading network ODM company. The Edgecore data center switches are developed and manufactured by Accton.

To purchase Edgecore Networks solutions, please contact your Edgecore Networks Corporation representatives at +886 3 563 8888 (HQ) or +1 (949)-336-6801 or authorized resellers.

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\*Roadmap - Contact Edgecore for more details