



AI for Networks.
Networks for AI.

Aviz ONES (Open Networking Enterprise Suite)

Data Sheet - version 4.0



ONES offers the industry's only multi-vendor, multi network operating system (NOS) solution that delivers Orchestration, Visibility, Supportability, and Assurance – enabling SONiC adoption in new or existing deployments. ONES makes Day 0,1, and 2 network operations possible for multi-NOS deployments. Aviz provides 24x7 SONiC support with vendor backed SLAs for discovery and deployment

ONES is a future-proof solution tailored for SONiC and Cumulus based network deployments. ONES not only streamlines orchestration but also ensures comprehensive monitoring and proactive network operations management of your data center, edge, and AI Fabrics.

What is SONiC?

SONiC has emerged as the clear choice for a mature open-source network operating system, bringing agility, choice of hardware components, and supply chain diversity. What has been missing in the SONiC ecosystem are the tools for multi-vendor orchestration, visibility, and supportability. Aviz ONES fills that gap.

Key ONES Value Proposition

- **24x7 SONiC Support for All Major Hardware and ASIC Brands:**
Automated monitoring, proactive data gathering, efficient triaging, real-time anomaly alerts, and comprehensive solutions for superior network management. It includes the ONES observability edition.

- Universal SONiC Compatibility**
Unified support platform for community SONiC, enterprise SONiC, and Cumulus, offering flexibility and choice for network deployments.
- NetOps Application at Zero Extra Cost**
With Aviz, it's all-inclusive. Your support package unlocks a suite of NetOps tools, simplifying your network management without stretching your budget.
- Effortless Shift from Legacy NOS to Future-Ready SONiC**
Start with your current setup and evolve to SONiC. Supporting Arista EOS, NVIDIA Cumulus, and Cisco NX-OS, we offer a strategic and gradual transition to modernize your network infrastructure seamlessly, ensuring smooth evolution without operational disruption.

Key ONES Capabilities

- Multi-Vendor Monitoring**
Get comprehensive, multi-vendor observability with over 250 in-depth metrics and bi-weekly trend analysis from each device. Additionally, gain RoCE observability into multi-vendor AI fabrics.
- Incident Response System with Real-Time Alerts**
Streamline your network management with the ONES Rule Engine, now featuring real-time alerts to keep you informed instantly. It offers integrated alerting and

monitoring metrics along with customizable rules for devices and interfaces. Enhance your incident response with systematic Slack, Service-now and Zendesk integration, ensuring you stay proactive and responsive in managing network incidents.

- Multi-Vendor Orchestration**
ONES Orchestration streamlines configuring multi-vendor devices in SONiC, enabling incremental updates, including BGP, L2/L3 MC-LAG, EVPN Multihoming, and more. It also provides APIs for easy integration with third-party tools and automation, configuration editor, configuration comparison, and configuration change execution directly from the UI.
- AI Fabric Manager and Monitoring**
ONES AI Fabric Manager enhances the management and optimization of AI workloads, streamlining the deployment of AI/ML tasks across your network for efficient resource utilization. It automates the creation and assignment of QoS profiles, reducing the need for manual configuration.
- Design, Deploy, and Manage Multi-tenant SpectrumTM-X Fabrics**
ONES extends compatibility to NVIDIA SpectrumTM-X platforms running the latest NOS. This enhancement provides comprehensive visibility and management for SpectrumTM-X devices.

ONES Portfolio

All ONES products are offered as software subscription per device with 1 year, 3 years, or 5 years term.

Product	Description	Options
ONES Pro	SONiC Technical Support, ONES Telemetry and Fabric Manager	Aviz Certified Community SONiC (open source) BRCM Enterprise SONIC (binary) license
ONES Pro - Lite	SONiC Technical Support, ONES Telemetry	Aviz Certified Community SONiC (open source) BRCM Enterprise SONIC (binary) license
ONES NetOps	ONES Telemetry and Fabric Manager	Any SONiC distribution

Supported Hardware Platforms and OS Versions

ONES supports a broad range of switch vendors and OS versions. As part of the ONES Pro and Pro-Lite subscription, customers will have access to BRCM Enterprise SONiC version 4.0 or higher. For the latest detail please check

<https://aviznetworks.gitbook.io/ones>.

Orderability

Aviz ONES Pro (Aviz SONiC, BRCM Enterprise SONiC), ONES Pro-Lite (Aviz SONiC, BRCM Enterprise SONiC), and ONES NetOps is available across the full range of 1GbE to 800GbE switches with either a 1yr, 3yr, or 5yr subscription. Please contact your Aviz Sales representative (sales@aviznetworks.com).