

OPEN NETWORKING PARTNER OPERATING SYSTEM SUPPORT GUIDE



Helix, T2+, TH: 1G, 10G, 40G, 100G

Switches	S3048-ON 1G	S3048-ON 1G	S3048-ON 1G	S3048-ON 1G	S3048-ON 1G	S3048-ON 1G	S3048-ON 1G
Supported operating systems							
Cumulus Linux	✓	✓	✓	✓	✓	✓	✗
Big Switch Big Monitoring Fabric (BMF)	✗	✓	✓	✓	✓	✓	✓
Big Switch Big Cloud Fabric (BCF)	✗	✓	✓	✓	✓	✓	✓
Pluribus NetVisor	✗	✓	✓	✓	✓	✓	✗
Pica8	✗	✓	✗	✗	✗	✓	✗

Maverick and Qumran 10G

Switches	S4148F-ON 48x10G Maverick	S4148T-ON 48x10GbT Maverick	S4128F-ON 48x10G Maverick	S4128T-ON 48x10GbT Maverick	S4112F-ON 12x10G Maverick	S4112T-ON 12x10GbT Maverick	S4248F-ON 10G Qumran
Supported operating systems							
Cumulus Linux	✓	✓	✓	✓	✗	✗	✗
Big Switch Big Monitoring Fabric (BMF)	✗	✗	✗	✗	✓	✓	✗
Big Switch Big Cloud Fabric (BCF)	✓	✓	✗	✓	✓	✓	✗
Pluribus NetVisor	✓	✓	✓	✓	✓	✓	✗
Pica8	✓	✓	✓	✗	✗	✓	✗

Trident 3, Cavium, Tomahawk+ 25G and Tomahawk 2 100G

Switches	S5048F-ON 48x25G TH+	S5148F-ON 48x25G Cavium	S5212F-ON 12x25G T3	S5224F-ON 24x25G T3	S5232F-ON 32x25G T3	S5248F-ON 48x25G T3	SS5296F-ON 96x25G T3	Z9264-ON 64x100G TH2
Supported operating systems								
Cumulus Linux	✓	✗	✗	✗	✓	✓	✗	✓
Big Switch Big Monitoring Fabric (BMF)	✗	✗	✗	✗	✗	✓	✗	✗
Big Switch Big Cloud Fabric (BCF)	✓	✗	✗	✗	✓	✓	✗	✓
Pluribus NetVisor	✓	✗	✗	✗	✗	✗	✗	✗

N-series campus switches 1G and multi-gig

Switches	N3048EP-ON (shipping)	N3024ET-ON	N3024EP-ON	N3024EF-ON (small core)	N3132PX-ON (shipping)	N2200PX-ON	N3208PX-ON
Supported operating systems							
Pica8	✓	✓	✓	✗	✓	✗	✗
Cumulus Linux	✓	✗	✗	✗	✗	✗	✗

Dell EMC Open Networking switch solutions are cost-effective and easy to deploy, providing a clear path to software-defined networking (SDN). Based on our dependable, award-winning Z-Series and S-Series switch hardware and featuring a choice of third-party OS and software options, these solutions give you the power to transform your network and accelerate data-center innovation with simplified, high-capacity network fabrics.



Big Switch Networks offers Cloud- First Networking (CFN) to enable a seamless IT experience for hybrid clouds, where monitoring tools and applications running in private and public clouds are managed consistently. CFN delivers a responsive, automated, programmable, and consistent fabric-based network experience. Big Switch is the only networking solution to take Public Cloud concepts like VPCs to be deployed On-Prem to create a single operational model across your hybrid environments. By harnessing the power of software-defined networking technology coupled with industry standard hardware, Big Switch Networks delivers Cloud-First Networking with an agile, flexible, intelligent and secure solution, so enterprises can experience true business competitiveness in a multi-cloud world.



Cumulus Networks provides networking software to design, run, and operate modern data centers that are simple, open, agile, resilient, and scalable. Cumulus Linux is the only open networking software that allows you to affordably build and efficiently operate your network like the world's largest data center operators, unlocking vertical network stacks. Combined with Cumulus NetQ, an operational management tool, organizations can take advantage of deeper analytics and advanced telemetry to provide network visibility of your entire fabric in real-time, delivering actionable insights and operational intelligence into the health of your data center. These open networking solutions, along with Dell EMC, allow organizations of all sizes to leverage efficiencies of modern web-scale technologies.



The Pluribus Networks approach to next-generation data center architectures delivers an open, virtualized and highly programmable SDN network fabric that ensures simplicity, agility, resiliency with simplified management, multitenancy, performance analytics software and white-box economics.



Already running 1000's of deployed access-edge and campus switches in Fortune 50 companies, Picos, from Dell' newest networking partner, Pica8, offers a Linux NOS sporting a complete enterprise software feature set and automation framework capable of modernizing the largest of legacy enterprise access and campus networks. With the industry' only dual-threat NOS –PICOS can run both L2/L3 and SDN on every network switch port network simultaneously –the PICOS/Dell solution also brings customers new levels of granular security/analytics control and service differentiation.

[Learn More at DellEMC.com/Networking](https://www.dell.com/Networking)