Hewlett Packard Enterprise

HPE Altoline Switch Series

Open networking switch solutions

Accelerate the disaggregation of cloud data center networking.

Why open networking?

- **Avoid vendor lock-in**—Disaggregated networking solutions give you the choice to build networks that best suit business needs.
- **Scale without limits**—Use reliable CLOS fabrics and layer 3 networks to sale your cloud data center to match application needs.
- **Accelerate innovation**—With lower TCO, your business can invest in innovation to reduce time to service, boost competitiveness, and increase customer satisfaction.

Are you ready for open networking innovation?

With cloud data center growing pains come the challenges triggered by your need to:

- Support an accelerated growth rate with current IT as you aim to scale and adapt fast enough to meet demand
- Manage versatile multi-vendor solutions across your data center environment
- Control high IT infrastructure costs that cut into your profits

HPE Altoline networking switch platforms can help you tackle these challenges with greater agility, more choice, and affordable capacity.

Trusted open network switch solutions

The HPE Altoline is a family of disaggregated networking switches designed to accelerate the adoption of open networking in cloud data centers. Altoline offerings span the full spectrum of networking speeds—from 10, 100, or 1000BASE-T to 10GbE, 25GbE, 40GbE, 50GbE, or 100GbE.

Disaggregation means we separate the networking switch hardware or forwarding plane from the control plane and/or the software and network operating system (NOS). This gives you more choices when it comes to buying and deploying hardware and software solutions that best fit your data center environments. Removing the dependencies among all elements of the networking stack gives you the freedom to choose the right hardware platforms, install a preferred NOS, and use the best management, automation, and orchestration tools.

Be open to the benefits of HPE Altoline open network solutions

- Collaborate with Linux® applications and tools for orchestration, management, and diagnostics
- Innovate with your choice of operating systems, including Pica8, and Cumulus Linux
- Win with open infrastructure that incorporates HPE Altoline switches as well as HPE Cloudline and rack servers

Meet the Altoline family

Whether you are an enterprise with customer-facing cloud applications or a service provider, Altoline switches are the ideal choice for deployment in layer 3 cloud data centers. Here are the four key family members:

- Altoline 6900 1G leaf ToR (top-of-rack) switch—48 x 10, 100, or 1000BASE-T RJ-45 ports+4 x 10GbE SFP+ uplink ports
- Altoline 6921 10GbE leaf ToR switch—Trident II+, 48 x 10GbE SFP+ ports+6 x 40GbE QSFP+ uplink ports
- Altoline 6941 10/40GbE spine/leaf ToR switch—Trident II+, 32 x 40GbE ports supporting up to 128 10GbE ports using breakout cables
- Altoline 6960 25/100GbE spine/leaf ToR switch—Tomahawk, 32 x 100GbE QSFP28 ports supporting 10GbE, 25GbE, 40GbE, 50GbE, or 100GbE

Use cases: HPE Altoline 6960 switch

The Altoline 6960 switch series provides an open network platform for high-performance spine/leaf deployments. Dig deeper into the hardware to see how you will benefit from:

- High performance—Top-of-rack 1U 100GbE switch
- High scalability—32 x 25GbE, 50GbE, or 100GbE QSFP28 ports (alternatively, 128 x 10GbE or 25GbE ports)
- Flexibility—Deploying as 40GbE, 50GbE, or 100GbE spine, or ToR with 10GbE or 25GbE to servers and 40GbE, 50GbE, or 100GbE uplinks
- NOS choice—Cumulus Networks Linux network operating system or Pica8 PicOS
- Easy network virtualization and cloud—VXLAN support, especially with Trident ii+ ASIC
- Higher reliability—Redundant fans and power supplies for data center deployment

Protect your open networking investments

Get the flexibility of open industry standards and the benefit of brite-box solutions backed by the networking experts at HPE with decades of leadership and worldwide and local support.

Learn more at
Open Networking: HPE Altoline Switch Series

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