Alcatel·Lucent

INSTALLED BASE Transformation

Key reasons to exchange your OmniSwitch 7000 by an OmniSwitch 9000.

Introduction

Your company's network infrastructure deploys the OmniSwitch 7000 modular LAN switch. Up to now the network was able to keep up with the ICT requirements, but at this moment or very soon you expect ICT to require more capacity, increased security or new functionality. We know during these times funding investments is a challenge. That's why we offer you to exchange any of your OmniSwitch 7000 model by an OmniSwitch 9000(E) at an attractive price. The OmniSwitch 9000(E) has been designed to protect your investment in knowledge, physical space and energy provisioning, at the same time providing more switching capacity, increased security and new features.

Investment protection

- The OmniSwitch 9000(E) series uses the same Operating System (AOS) as the OmniSwitch 7000, meaning that configuration and management experience will be similar, maintaining your investment in knowledge/trainings.
- Since the OmniSwitch 9800(E) and 9700(E) are the same size as the 7800 and 7700 and do not require more power, installation is guaranteed to re-use existing space & power accommodations in your equipment room.
- The OmniSwitch 9000 series will accept existing OmniSwitch 7000 PoE power supply units. There is no need to replace, simply reconnect.

Energy efficiency

- Designed for power efficiency, the OmniSwitch 9000(E) series dissipates similar power than the 7000 series while allowing a tenfold performance increase (100Mbps to 1000Mbps or 1Gbps to 10Gbps). Since the same power budget is used, there will be no need to upgrade your existing backup power and air conditioning systems.

More capacity, higher performances

- The OmniSwitch 9000(E) series support a central switching fabric from 384 Gbps (9700) to 784 Gbps (9800). This is a tenfold increase to the OmniSwitch 7000 series. This delivers the ability to deploy 10 Gigabit Ethernet interfaces where needed.
- The OmniSwitch 9000(E)'s table sizes for end systems, L3 routing entries and IP multicast are significantly larger than the OmniSwitch 7000. This allows your network to grow without performance degradation.
- QoS has been increased form 4 to 8 hardware supported priorities to better serve converged networks beyond just voice and data.
- An extended classification scheme combining L2/L3/L4 parameters to even more granular define traffic behavior.

Increased security

- The OmniSwitch 9000(E) supports Bell Labs' developed Traffic Anomaly Detection. A system detecting traffic anomalies statistically without the need of signatures. The system can either automatically shutdown a port or signal OmniVista Quarantine manager to take another action.
- The OmniSwitch 9000(E) in addition to the well-known auto sensing Network Access Control has support for Captive Portal and User Network Profile definition.

New functionality

Just highlighting new functionality, which you may find as a requirement:

- IP Version 6, including dynamic routing protocols
- PIM Dense mode
- G.8032 Ethernet ring protection
- 10 Gigabit Ethernet interfaces
- IEEE 802.1ad, QinQ, AKA VLAN stacking
- Multiple VRF (9000E models)

Conclusion

To conclude, the OmniSwitch 9000(E) series is the logical choice to improve your network infrastructure during times you need to expand but want to save costs as much as possible.