CAMPUS NETWORKS, DATA CENTER SWITCHING

Alcatel·Lucent
Enterprise

Featuring Key Technologies:

- Unified Access
- Intelligent Fabric
- Network Analytics

For detailed information, visit
http://enterprise.alcatel-lucent.com/

OmniSwitch® 10K

Chassis based LAN switch for large campus networks and data center's core

- Chassis based LAN switch for large campus networks and data center's core
- 8 Slot, up to 320 GigE, 256 10GigE, 48 40GigE ports
- Redundant power, management and switch fabric
- Front to back cooling, ISSU, Virtual Chassis technology
- Advanced L3 routing: VRF, Multicast, IPv4 and IPv6
- Automated VM movement
- Automatic Fabric creation, SPB-M
- Programmable: RESTful API, OpenFlow and OpenStack

OmniSwitch® 6860/E

Gigabit stackable LAN switch for campus network Unified Access and aggregation

- 24-port and 48-port models, four 10GigE SFP+ uplinks, GigE 1000BASE-T/SFP and PoE+ versions
- Enhanced (E) models with co-CPU, 60 W PoE and EMP
- Stacks up to 8 (up to 100m), optional backup power, front to back cooling
- Advanced L3 routing: VRF, Multicast, IPv4 and IPv6
- Access security and policy enforcement, SPB-M
- Programmable: RESTful API, OpenFlow and OpenStack

OmniSwitch® 9000E

Chassis based LAN switch for large campus networks access and distribution

- 8 or 16 slots chassis, up to 384 GigE, 192 10GigE ports
- Redundant power, management and switch fabric
- Advanced L3 routing: VRF, Multicast, IPv4 and IPv6
- Access security and policy enforcement
- Multi Chassis LAG technology

OmniSwitch® 6855

Hardened Gigabit Ethernet LAN switch for industrial use and Metro access

- 10-port, 14-port and 24-port models, GigE 1000BASE-T/SFP and PoE versions
- 24 SFP port model with SFP 10GigE uplinks; remote stacking up to 10km
- Advanced L3 routing: IPv4 and IPv6,
- Access security and policy enforcement
- Metro Ethernet features

OmniSwitch® 6900

Core and distribution for campus networks, Top-of-Rack (ToR) for Data Center

- 20-port and 40-port 10 GigE 10GBASE-T/10GBase-X models with line card slots
- 32-port QSFP+ 40 GigE/4x10 GigE and 72-port 10 GigE 10GBase-X models fixed
- Up to 104 10 GigE, 56 10GBASE-T, 32 40 GigE, 24 x 2/4/8 Fiber Channel ports
- Redundant power, front to back and back to front cooling
- ISSU, Virtual Chassis technology
- Advanced L3 routing: VRF, Multicast, IPv4 and IPv6
- Universal Network Profiles; Orchestrated Policy based VM movement
- Automatic Fabric creation, Virtual chassis, SPB-M, IP routing protocols
- SDN programmability: RESTful API, Python, OpenFlow and OpenStack

OmniSwitch® 6450 (model 24 and 48)

Stackable Gigabit and Fast Ethernet LAN switch for campus network access and Metro access

- 24-port and 48-port models with two GigE or 10GigE uplinks, RJ45, SFP and PoE+ versions
- Stacks up to 8 (up to 100m), optional backup power
- Soft upgrades: GigE to 10GigE uplinks, Fast Ethernet to GigE access
- Basic L3 routing: IPv4 and IPv6, OpenFlow
- Access security and policy enforcement
- Optional Metro Ethernet features license, as well as IEEE 1588 version

OmniSwitch® 6450 (model 10)

Stackable Gigabit and Fast Ethernet LAN switch for small offices and Metro access

- 8-port models, with two GigE SFP uplinks, Fast Ethernet, GigE 1000BASE-T and PoE+ versions
- Compact form factor, fanless, stacks up to 4
- Soft upgrades: Fast Ethernet to GigE, Basic L3 routing: IPv4 and IPv6
- Basic L3 routing: IPv4 and IPv6, OpenFlow
- Access security and policy enforcement
- Optional Metro Ethernet features license, as well as IEEE 1588 version

OmniSwitch® 6250

Stackable Fast Ethernet LAN switch for cost conscious deployments

- 24-port models with two GigE uplinks, RJ45 and PoE+ models
- Compact form factor, stacks to 8, optional backup power
- Basic L3 routing: IPv4 and IPv6, OpenFlow
- Access security and policy enforcement
- Optional Metro Ethernet features license

OmniVista® 2500 NMS
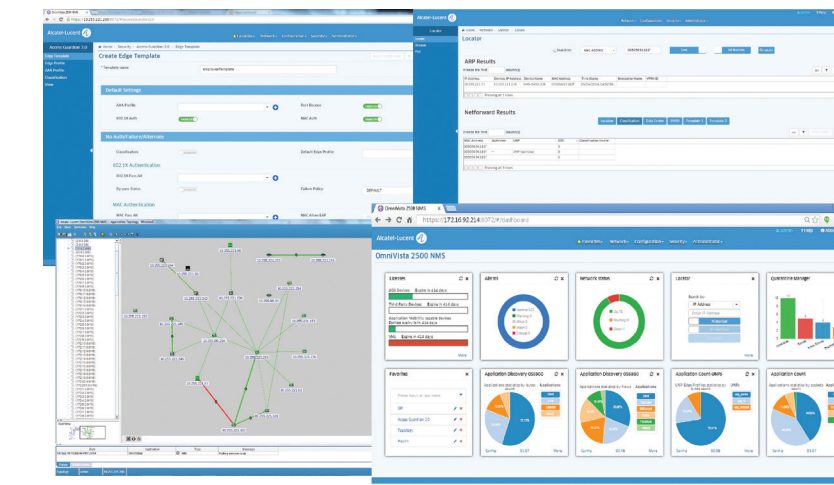
Platform
- Standalone or virtual appliance version available
- Web 2.0, HTML5 access from any browser, including tablets
- User defined dashboard for custom based management
- Northbound RESTful API

General functions
- Graphical topology view with real-time status indication
- Resource management to back up of network element firmware and configurations

Unified Access management
- Unified user interface for wired and wireless access with dynamic unified role based policies
- Integrates with ClearPass for enhanced unified authentication, with consistent profile definition checking

Network Analytics
- Dashboard and Reporting Users, Ports, Switches, and Network health statistics
- Application distribution and Application usage statistics
- Customizable business reports generation
- Predictive Analysis for network planning
- Search and pinpoint device location and associated devices

Data Center management
- End-to-end physical and virtual networks infrastructure operations
- Interfaces with VMware vCenter® and Citrix™ XenServer® for discovery and inventory
- Real time tracking between VM and its network location
- VXLAN and VXLAN gateway configuration
- Quarantine management
- Threat mitigation through a secure perimeter against intrusion and malware attacks
- Remediation through various actions (quarantine VLAN, port shut-down, blocking MAC addresses)

Enterprise Services Router

Enterprise Services Router for any WAN connectivity including in vehicle communication

- OmniAccess 5710/5720 ESR, compact w/o moving parts
  - GigE and Fast Ethernet
  - WAN options: LTE, VDSL, SHDSL, E1/T1 SFP, V.35, X.21, V.24
- OmniAccess 5725 ESR, ruggedized
  - Fast Ethernet and 802.11a/b/g/n
  - WAN options: LTE, VDSL, GPS, X.21, V.24
- OmniAccess 5840/5850 ESR, modular
  - GigE and Fast Ethernet, optional PoE+, IEEE 802.11a/b/g/n,
  - WAN options: VDSL2, ADSL2+, G.HDSL, Serial, BRI, SFP, E1/T1
  - Telephony FXS/FXO, E&M, optional GNU/Linux applications
- OmniAccess ESR WWAN enabler
 - Cellular G, 4G, LTE interface for any Services Router

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ClearPass Policy Manager

Policy Management System for enterprises, schools, universities, hospitals, hotel and retail.

- Premium Policy Management for granular security
- Integrates with OmniVista 2500, enhances Unified Access
- Device on boarding and management
- Guest Access with advertisement
- Purpose-built appliance and virtual environment versions

OmniVista® 3600 Air Manager (AM)
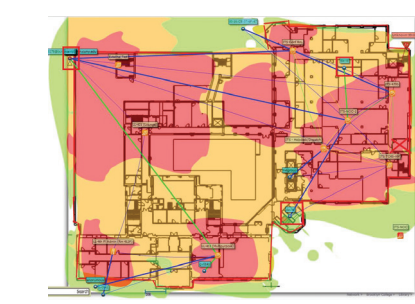
Designated management system for OmniAccess® WLAN deployments

- Wireless network management system
- Centralized visibility and control over wireless networks
- Real-time user and device monitoring
- Centralized configuration
- User, session and device monitoring
- Real-time location tracking information
- RF planning with VisualRF module

OmniAccess® Instant Access Points

Comprehensive WiFi solution for small to medium locations

- Virtual WLAN control built in Access Points
- Supports 10's of local Wireless Access Points
- Integrated security with access control and role based access
- Client Match technology and adaptive RF management
- High capacity IEEE 802.11ac access points
- Cost effective IEEE 802.11n access points
- uPNP, DLNA, Airprint and Airplay support

OmniAccess® WLAN Control and Access Points

Comprehensive WiFi solution for enterprise, education and hospitality

- Central WLAN control with one or more cooperating controllers
- Supports 1000's of
  - Local Wireless Access Points
  - Remote Wireless Access Points
  - Remote VPN users
- Integrated security with firewall, role based access
- Client Match technology and adaptive RF management
- High capacity IEEE 802.11ac access points
- Cost effective IEEE 802.11n access points
- Zero touch deployment remote access points
- uPNP, DLNA, Airprint and Airplay support