

Alcatel-Lucent OmniAccess 4306

BRANCH OFFICE WLAN SWITCH

The Alcatel-Lucent OmniAccess™ 4306 Branch Office WLAN switch is compact, cost effective and supports advanced wireless services in conjunction with sophisticated Alcatel-Lucent Access Points. The OmniAccess 4306 even goes beyond wireless services by providing a built-in print and file server and secured Ethernet connectivity. When deployed in branches, the OmniAccess wireless centralized configuration and management model enables the OmniAccess 4306 to be deployed, monitored, and controlled without any local IT staff.



The OmniAccess 4306 supports nine Ethernet ports with PoE+ capability, one USB port, and all the advanced wireless services that the larger OmniAccess WLAN switches provide. One of these advanced services is VoWLAN support, which makes the OmniAccess 4306 the ideal platform to deploy Alcatel-Lucent IP Touch™

Wireless LAN handsets, dual mode smart phones and mobile communication applications. The OmniAccess 4306 is also the first OmniAccess WLAN switch with 3G capability. The 3G link can be used to connect to the Internet, to connect back to the centralized WLAN switch or as a back-up connection.

FEATURES	BENEFITS
Zero-touch remote deployment and management	Saves time and lowers costs because installation can be performed by non-IT personnel while complex management tasks are performed from a central location by a remote IT team.
USB port for network connection of storage devices or printers	The USB port can be used to connect storage devices or printers. These devices are then accessible anywhere in the branch network.
3G connectivity	3G connectivity allows the rapid set-up of a branch network when no wired connection (e.g., DSL) is available, or could be used as a back-up connection in case of primary wired link failure.
Dynamic radio frequency (RF) management	Provides analysis of the RF environment to facilitate the deployment of self tuning access points and to fine-tune the operation of the network with virtual real-time site surveys.
Integrated wireless intrusion prevention	Integrates both wireless networking and wireless intrusion detection and prevention (IDS/IPS) thus reducing the cost of the wireless infrastructure and its operation.
User-centric security with stateful firewall	Role-based security reduces the network management burden by preventing unauthenticated users from accessing the corporate wireless network while safely supporting guest users, contractors, and corporate users.
Quality of service	Improves voice quality by supporting quality of service (QoS) mechanisms such as Wi-Fi multimedia (WMM), differentiated services code point (DSCP) marking and prioritization, and connection admission control (CAC).
Extended battery life for voice devices	Improves battery life of mobile devices such as the Alcatel-Lucent IP Touch Wireless LAN handsets with standard protocols including IEEE 802.11e - U-APSD.

Technical specifications

WLAN switch performance and capacity

- LAN-connected access points (maximum): 8
- Remote access points (maximum): 32
- Users (maximum): 128
- MAC addresses: 2048
- VLAN IP interfaces: 128
- Active firewall sessions: 8192
- Concurrent IPsec tunnels: 128
- Firewall throughput: 800 Mbps
- Encrypted throughput (3DES): 400 Mbps
- Encrypted throughput (AES-CCM): 320 Mbps

Interfaces

- Console (RS-232) RJ-45: 1
- Fast Ethernet (10/100Base-T): 4
- Fast Ethernet (10/100Base-T) with PoE+: 4
- Gigabit Ethernet (1000Base-T): 1
- ExpressCard®: 1
- USB 2.0: 1

USB device support

- Maximum concurrent printers: 2
- Maximum concurrent HSDPA/GPRS/EDGE/EVDO Modems: 2
- Maximum concurrent storage media: (Hard disk/Flash): 4
- Maximum concurrent devices (all types): 4

Network printing

- Printing mode: Raw
- Printer driver download to clients: No
- Client compatibility: Microsoft® Windows®, Macintosh® OS, UNIX

Network attached storage

- File protocol: CIFS/SMB
- Share-level security: No
- User-level security: No
- Per-role firewall restriction of share access
- Client compatibility: Microsoft Windows, Macintosh OS, UNIX
- USB 1.0 devices
- USB 2.0 flash storage
- USB 2.0 disk storage
- Maximum storage capacity: 1TB
- Ext2/Ext3 file system
- FAT16 file system
- FAT32 file system
- NTFS file system: No

Power specifications

- AC input voltage: 100-240 V, Universal Input
- AC input frequency: 50-60 Hz
- Maximum power consumption: 115 Watts
- Power over Ethernet total capacity: 78 Watts
- Power over Ethernet capacity per port: 19.5 Watts

Operating specifications and dimensions

- Operating temperature range: 0°C to 40°C (32°F to 104°F)
- Storage temperature range: 0°C to 50°C (32°F to 122°F)
- Humidity, non-condensing: 5% to 95%
- Height: 1.75 in (45 mm)
- Width: 12.6 in (320 mm)
- Depth: 6.8 in (173 mm)
- Weight: 2.7 lbs/1.23 kg (unboxed)

Compatible USB modems

The following is a partial list of tested and fully supported USB modems. Some modems not on this list may be fully supported with a factory-default configuration, while others may require controller configuration in order to function. Please contact your Alcatel-Lucent representative for the latest modem list.

- Novatel Wireless Ovation U727
- Kyocera® KPC680 ExpressCard
- Sierra Wireless® Compass□ 597
- AT&T® USBConnect Quicksilver
- AT&T USBConnect Mercury

Compatible USB printers

- The following is a partial list of tested and fully supported USB printers. Some printers (such as the Hewlett-Packard® HP LaserJet 1000 series) require a firmware upload each time they are powered on. These printers are currently not supported. Please contact your Alcatel-Lucent representative for the latest printer list.
- HP Deskjet 6988 printer
- HP LaserJet M1522nf MFP
- HP Officejet Pro L7590 All-in-One Printer, Fax, Scanner, Copier
- HP LaserJet P3005
- HP Color LaserJet CP3505
- Lexmark® X7675 Professional
- Lexmark T640
- Lexmark C534dn Compatible USB storage

The following is a partial list of tested and fully supported USB storage devices. Please contact your Alcatel-Lucent representative for the latest storage device list.

- Seagate® FreeAgent® Pro hard drive
- Maxtor® OneTouch™ 4 Plus hard drive
- Western Digital® My Passport Essential WDME3200 hard drive
- Iomega® eGo™ desktop hard drive
- Iomega Desktop Hard Drive hard drive
- Kingston® DataTraveler 100 USB flash drive (2/4/8G)
- SanDisk® Cruzer® Micro USB flash drive (2/8G)

Regulatory and safety compliance

- FCC Part 15 Class B
- EN 55022 Class B
- EN 55024
- IEC/EN 60950
- CE Marking
- cTUVus Marked
- CB Scheme Certified

Ordering information

PART NUMBER	DESCRIPTION
AW-4306-0	OmniAccess 4306 – Eight 10/100Base-T (RJ-45) ports including four PoE+ capable ports, one 10/100/1000Base-T (RJ-45) port, and one USB port. Can support up to eight access points (AP) (AP licenses required).
AW-4306-4	OmniAccess 4306 – Eight 10/100Base-T (RJ-45) ports including four PoE+ capable ports, one 10/100/1000Base-T (RJ-45) port, and one USB port, bundled with four access point (AP) licenses. Can support up to eight APs (additional AP licenses required).

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