ALCATEL-LUCENT OMNIACCESS 6000
WIRELESS LAN SWITCH

The modular 6000 WLAN Switch/Controller from Alcatel-Lucent delivers a wide range of network services to large campus networks. Offering unmatched scalability, the 6000 WLAN switch/controller supports up to 32,768 users and performs stateful firewall policy enforcement at speeds up to 80 Gbps.

Through secure IP tunnels, Alcatel-Lucent access points (APs) and Access Switches move traffic to the 6000 WLAN switch/controller over a public or private transport network and provide local bridging at the access layer, depending on the end user application or IT traffic forwarding requirements.

Core functionality for the 6000 WLAN switch/controller is provided by Alcatel-Lucent SCIII WLAN switch/controller modules. Up to four SCIII modules can be installed in one 6000 WLAN switch/controller chassis. Fully configured, the 6000 WLAN switch/controller supports up to 2,048 APs, 512 Mobility Access Switches or 4,096 Remote APs (RAPs).

The 6000 WLAN switch/controller also manages authentication, encryption, virtual private network (VPN) connections, IPv4 and IPv6 Layer 3 networking, the Alcatel-Lucent Policy Enforcement Firewall (PEF), Alcatel-Lucent Adaptive Radio Management (ARM), and Alcatel-Lucent RFProtect™ Spectrum Analysis and Wireless Intrusion Protection capabilities.

Clustering and centralized management enable the deployment of large networks with hundreds of WLAN Switch/Controllers with minimal staff. A master WLAN Switch/Controller can manage local Mobility Controllers, while OV3600 Air Manager provides enterprise-wide clarity and control through real-time monitoring, historical reporting and troubleshooting.

FEATURES

• Hot-swappable redundant power supplies (N+1 available)

• Hot-swappable fan tray

• Redundant supervisor module

• Dynamic RF management

• Centralized WLAN switching

• Integrated wireless intrusion prevention

BENEFITS

• Platforms support multiple supervisor engines designed to handle heavy traffic loads generated by 802.11n access points

• User-centric security with stateful Firewall which Prevents unauthenticated users from accessing the corporate wireless network while safely supporting guest users, contractors as well as corporate users.

• Real time location tracking allows for the real time location tracking of wireless users to enrich presence information.

AT THE SPEED OF IDEAS™

Alcatel·Lucent
Enterprise

Operating Specifications and Dimensions

- Operating temperature range: 0°C to 40°C
- Storage temperature range: -40°C to 70°
- Humidity, non-condensing: 5% to 95%
- Height: 5.75˝ (146 mm)
- Width: 17.4˝ (444 mm)
- Depth: 12.5˝ (317.5 mm)
- Weight: 30 lbs. (unboxed)

Controller Power Supply Options

- Power supplies: Up to 3 (N+1 available)
- **HW-PSU-400:** AC power supplies deliver 400 W of power
- AC input voltage: 85-264 VAC, auto-sensing
- AC input frequency: 47-63 Hz
- AC input current: 5 A @ 110 VAC

(HW-PSU-400 required for M3 module or PoE)

Warranty

- Hardware: 0°C to 40°C
- Software: -40°C to 70°

* Extended with support contract

Regulatory and Safety Compliance

- FCC part 15 Class A CE
- Industry Canada Class A
- VCCI Class A (Japan)
- EN 55022 Class A (CISPR 22 Class A), EN 61000-3
- EN 61000-4-2, EN 61000-4-3, EN 61000-4-4
- EN 61000-4-5, EN 61000-4- 6, EN 61000-4-8
- EN 61000-4-11, EN 55024, AS/NZS 3548
- UL 60950, EN60950
- CAN/CSA 22.2 #60950
- CE mark, cTUVus, GS, CB, C-tick, Anatel, NOM, MIC, IQC

ALCATEL-LUCENT SCIII Controller Module

The Alcatel-Lucent SCIII Controller Module leads the industry in performance. Designed for the performance needs of 802.11n, the SCIII is built on a flexible multi-core processing architecture that makes it adaptable to wireless LAN, remote networking, or network security services.

Performance and Capacity

- LAN-connected access points[1]: Up to 512
- Remote Access Points[1]: Up to 1,024
- Wired Access Points[1]: Up to 128
- Users Up to 8,192: MAC addresses 64,000
- VLAN IP interfaces: 1,400
- Number of IPv4 unicast routes: 2,048
- Active firewall sessions: 524,300
- System BSSIDs: 8,192
- Concurrent IPSec tunnels: Up to 4,096
- Firewall throughput: 20 Gbps
- Encrypted throughput (3DES): 8 Gbps
- Encrypted throughput (AES-CCM): 4 Gbps

Interfaces

- 10x Gigabit Ethernet (1000Base-X) SFP
- 2x 10 Gigabit Ethernet (10GBase-X) XFP
- Out-of-band management Ethernet (100Base-T) console (RS-232) RJ-45

Storage

- On-board compact flash 512 M

[1] *Capacity determined by AP, PEF, and RFP software licenses*

ORDERING INFORMATION

PART NUM BER	DESCRI PTI ON
OAW-6000-PS4-US	OmniAccess 6000 Chassis for PoE configurations. Includes one modular 4- Slot 19" Chassis, one fan tray, two 400 Watt Auto-sensing 110V/240V AC PSU and an accessory kit. Chassis EEPROM with RESTRICTED REGULATORY DOMAIN – US for deployments only in the United States. Includes United States power cords.
OAW-6000-PS4-IS	OmniAccess 6000 Chassis for PoE configurations. Includes one modular 4-Slot 19" Chassis, one fan tray, two 400 Watt Auto-sensing 110V/240V AC PSU and an accessory kit. Chassis EEPROM with RESTRICTED REGULATORY DOMAIN -ISRAEL for deployments only in Israel. Includes Israel power cords
OAW-6000-PS4-EU	OmniAccess 6000 Chassis for PoE configurations. Includes one modular 4-Slot 19" Chassis, one fan tray, two 400 Watt Auto-sensing 110V/240V AC PSU and an accessory kit. Chassis EEPROM with UNRESTRICTED REGULATORY DOMAIN for deployments outside the United States and Israel. Includes Country Specific power cords.
OAW-6000-PS4-NA	OmniAccess 6000 Chassis for PoE configurations. Includes one modular 4- Slot 19" Chassis, one fan tray, two 400 Watt Auto-sensing 110V/240V AC PSU and an accessory kit. Chassis EEPROM with UNRESTRICTED REGULATORY DOMAIN for deployments outside the United States and Israel. Includes United States power cords.
OAW-S3-0-2X10G	OmniAccess Supervisor Card III , 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (no AP license included). One OAW-6000 Chassis can accommodate up to four (4) Supervisor Card III.
OAW-S3-C-2X10G	OmniAccess Supervisor Card III , 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), bundled with license to support 128 AP. One OAW-6000 Chassis can accommodate up to four (4) Supervisor Card III.

EXPANSION MODULES	DESCRIPTION
OAW-XFP-LR	OmniAccess Wireless XFP - 1310nm serial pluggable XFP optic (LC) for up to 10km over SMF
OAW-XFP-SR	OmniAccess Wireless XFP - 850nm serial pluggable XFP optic (LC), target range 300m over MMF
OAW-SFP-LX	OmniAccess Wireless SFP - 1000Base-LX, LC Connector
OAW-SFP-SX	OmniAccess Wireless SFP - 1000Base-SX, LC Connector
OAW-SFP-SX	OmniAccess Wireless SFP - 1000Base-T, RJ45
LICENSE OPTIONS	
OAW-AP-LAPxxx	Access Point License (xxx Access Point License)
OAW-SSN-XSCxxxx	xSec Module License (xxxx Sessions)
OAW-AP-PEFNGxxx	Policy Enforcement Firewall Module (xxx AP License)
OAW-AP-RFPxxx	RF Protect License including WIP and Spectrum (xxxx AP Support)
OAW-SFP-SX	OmniAccess Wireless SFP - 1000Base-T, RJ45
ACCESSORIES	
OAW-6000-CHAS	OmniAccess 6000 Base 4-Slot Chassis (Excludes Fan Tray and Power Supply). Chassis EEPROM with UNRESTRICTED REGULATORY DOMAIN for deployments outside the United States and Israel.
OAW-6000-CHAS-US	OAW-6000-CHAS-US: OmniAccess 6000 Base 4-Slot Chassis (Excludes Fan Tray and Power Supply). Chassis EEPROM with RESTRICTED REGULATORY DOMAIN – US for deployments in only the United States.
OAW-6000-CHAS-IS	OmniAccess 6000 Base 4-Slot Chassis (Excludes Fan Tray and Power Supply). Chassis EEPROM with RESTRICTED REGULATORY DOMAIN - ISRAEL for deployments only in Israel.
OAW-6000-PS400	OmniAccess 6000 Power Supply - 400 Watt.
OAW-6000-FT	OmniAccess 6000 Replacement Fan Tray.
OAW-6000-SLBLK	OmniAccess 6000 Supervisor / Line Card Slot Blank Panel.
OAW-6000-PSBLK	OmniAccess 6000 Power Supply Unit Slot Blank Panel.
OAW-6000-RM-19	OmniAccess 6000 Replacement 19" Equipment Rack Mounting Kit.

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