ARUBA 7000 SERIES CLOUD SERVICES CONTROLLER

Integrated wireless, wired and WAN services for branch offices

Aruba 7000 series Cloud Services Controllers optimize cloud services at branch offices by delivering superior application performance and security from a single platform.

The 7005, 7010, 7024 and 7030 Cloud Services Controllers feature up to 24 Ethernet ports and support 16-64 APs. The Cloud Services Controllers also unify policy management for wired and wireless.

Integrated WAN services such as compression, policy-based routing, and health checks ensure reliable connectivity for service continuity and improved performance for business-critical applications. Integrated firewall and secure VPN provide strong protection while ensuring regulatory and corporate compliance.

Capable of handling up to 4,000 users, the 7000 series performs stateful firewall policy enforcement at up to 8 Gbps. Secure IP tunnels protect branch traffic across the public and private transport network to the cloud and headquarters. Local bridging can be performed, depending on end-user applications or IT traffic forwarding requirements.

Integrated threat management with content and URL filtering secure branch network traffic and simplify guest Internet access.

The 7000 series supports the Aruba Policy Enforcement Firewall™ with AppRF™ technology, which continuously evaluates app usage and performance and makes configuration changes in real-time to ensure optimal bandwidth, priority and network paths in branch offices.

This ensures the best possible app experience in the branch, even for apps that are hidden as encrypted or web traffic. And IT gets unprecedented insight into over 1,800 apps, including cloud and web-based apps like Lync, SharePoint, Box, GoToMeeting and Salesforce.com.

A real-time dashboard makes it easy to identify and correct quality-of-service tags, load-balance specific apps across APs, adjust RF management and roaming parameters for latency-sensitive apps, and apply bandwidth contracts per app or for a group of apps.

Additionally, integration with cloud services such as Palo Alto Networks GlobalProtect and Microsoft Lync make extending security and mobile unified communications to the branch easier and more reliable.

The 7000 series supports other enterprise-critical capabilities like authentication, encryption, IPv4 and IPv6 services, Adaptive Radio Management™ and ClientMatch™ technologies, and RFProtect™ spectrum analysis and wireless intrusion protection.

The 7000 series can be deployed in minutes with zero-touch provisioning via cloud-based Aruba Activate ™ enabling branch locations to be set up faster and more efficiently.

PRODUCT SUMMARY

- 7005 Cloud Services Controller is a compact, fanless entry-level branch platform that can be powered by a power-over-Ethernet (PoE) switch.
- 7010 Cloud Services Controller is designed for mid-sized branch deployments that require several PoE and PoE+ switch ports.
- 7024 Cloud Services Controller is designed for mid-sized branch offices that require up to 24 switch ports for unified wired and wireless access.
- 7030 Cloud Services Controller is ideal for mid- to large-sized branch deployments that require unprecedented scale and performance.

PERFORMANCE AND CAPACITY

Features	7005	7010	7024	7030
Maximum campus AP licenses	16	32	32	64
Maximum remote AP licenses	16	32	32	64
Maximum concurrent users/devices	1,024	2,048	2,048	4,096
Maximum VLANs	4,094	4,094	4,094	4,094
Active firewall sessions	16,384	32,768	32,768	65,536
Concurrent GRE tunnels	512	1,024	1,024	2,048
Concurrent IPsec sessions	512	1,024	1,024	2,048
Concurrent SSL fallback sessions	512	1,024	1,024	2,048
Mobility Access Switch tunneled-node ports	512	1,024	1,024	2,048
Firewall throughput	2 Gbps	4 Gbps	4 Gbps	8 Gbps
Encrypted throughput (3DES, AES-CBC)	1.2 Gbps	2.4 Gbps	2.4 Gbps	2.4 Gbps
Encrypted throughput (AES-CCM)	2.2 Gbps	3.6 Gbps	3.6 Gbps	4.4 Gbps

INTERFACES AND INDICATORS

Features	7005	7010	7024	7030
Form factor/footprint	Compact	1 rack unit	1 rack unit	1 rack unit
Auto-negotiating 10/100/1000BASE-T	4	16	24	8 (combo)
Gigabit Ethernet ports (GBIC or SFP)	N/A	2 SFP	2 SFP+	8 (combo)
USB 2.0 (ports)	Yes (1)	Yes (2)	Yes (1)	Yes (1)
Management/status LEDs	Yes	Yes	Yes	Yes
LINK/ACT and status LEDs	No	No	Yes	Yes
LCD panel and navigation buttons	No	Yes	Yes	Yes
Console port	Yes (mini USB/RJ-45)	Yes (mini USB/RJ-45)	Yes (micro USB/RJ-45)	Yes (mini USB/RJ-45)
Out-of-band management port	No	Yes	Yes	Yes

PHYSICAL

	7005	7010	7024	7030
Dimensions (H x W x D)	4.1 cm x 20 cm x 20 cm (1.6" x 7.9" x 7.9")	4.42 cm x 31.75 cm x 33.7 cm (1.74" x 12.75" x 13.3")	4.37 cm x 44.2 cm x 31.3 cm (1.72" x 17.4" x 12.32")	4.4 cm x 30.5 cm x 21.1 cm (1.7" x 12" x 8.3")
Weight	0.92 kg (2.03 lbs)	3.4 kg (7.5 lbs)	5.127 kg (11.3 lbs)	2.06 kg (4.54 lbs)
MTBF (hours, @ 25C)	323,896	232,843	311,901	390,679

ENVIRONMENTAL RANGE

Specification	7005	7010	7024	7030
Operating temperature	0° C to 40° C			
Storage temperature	-40° C to 70° C			
Humidity/storage humidity	10% to 95%, NC			
Operating altitude	10,000 feet			
Acoustic noise[1]	0 dBA (fanless)	39.8 – 58.6 dBA	34.3 – 71.2 dBA	29.1 – 57.4 dBA
Maximum power consumption	16.6 watts (with USB)	190 watts (with PoE)	450 watts (with PoE)	55 watts

[1] Sound power per ETSI 300 753 in accordance with ISO 7779

REGULATORY AND SAFETY COMPLIANCE

Description	Specification
Safety certifications	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition EN 60950:2005 IEC 60950-1 Second Edition NOM (obtained by partners and distributors)
Electromagnetic emissions certifications	FCC Part 15 Class B CE AS/NZS CISPR22 Class B CISPR22 Class A (7010, 7024, 7030), Class B (7005) EN55022 Class A (7010, 7024, 7030), Class B (7005) ICES-003 Class A (7010, 7024, 7030), Class B (7005) VCCI Class A (7010, 7024, 7030), Class B (7005) EN61000-3-2 EN61000-3-3 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, AS/NZS 3548 KN22 Class B KCC CNS13438 Class B EN55024/CISPR24 KN24 Industry Canada Class B CE mark, cTUVus, CB, C-tick, Anatel, NOM, MIC
Telco	Common Language Equipment Identifier (CLEI) Code
Regulatory SKU information	ARCN0104(7005), ARCN0103(7010), ARCN7024(7024), ARCN7030(7030)
Minimum ArubaOS Release	7005, AOS 6.4.1.0; 7010, AOS 6.4.1.0; 7024, AOS 6.4.3.0; 7030, AOS 6.4.1.0

ORDERING INFORMATION

Part Number	Description
Controllers[1]	
7005-RW	Aruba 7005, 4 x 10/100/1000BASE-T ports, Supports up to 16 APs and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). This SKU is a rest-of-world product and should not be deployed in the United States.
7005-US	Aruba 7005, 4 x 10/100/1000BASE-T ports, Supports up to 16 APs and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). This SKU is a US only SKU and should not be deployed in rest-of-world.
7005-IL	Aruba 7005, 4 x 10/100/1000BASE-T ports, Supports up to 16 APs and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7005-JP	Aruba 7005, 4 x 10/100/1000BASE-T ports, Supports up to 16 APs and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). This SKU is an Japan only SKU and should not be deployed in rest-of-world.
7010-RW	Aruba 7010, 12 x 10/100/1000BASE-T PoE/PoE+ (150W), 4 x 10/100/1000BASE-T, 2 x 1G BASE-X SFP ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is a rest-of-world product and should not be deployed in the United States.
7010-US	Aruba 7010, 12 x 10/100/1000BASE-T PoE/PoE+ (150W), 4 x 10/100/1000BASE-T, 2 x 1G BASE-X SFP ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is an US only SKU and should not be deployed in rest-of-world.
7010-IL	Aruba 7010, 12 x 10/100/1000BASE-T PoE/PoE+ (150W), 4 x 10/100/1000BASE-T, 2 x 1G BASE-X SFP ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7010-JP	Aruba 7010, 12 x 10/100/1000BASE-T PoE/PoE+ (150W), 4 x 10/100/1000BASE-T, 2 x 1G BASE-X SFP ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is an Japan only SKU and should not be deployed in rest-of-world.
7024-RW	Aruba 7024, 24 x 10/100/1000BASE-T PoE/PoE+ (400W), 2 x 10G BASE-X SFP+ ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is a rest-of-world product and should not be deployed in the United States.
7024-US	Aruba 7024, 24 x 10/100/1000BASE-T PoE/PoE+ (400W), 2 x 10G BASE-X SFP+ ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is an US only SKU and should not be deployed in rest-of-world.
7024-IL	Aruba 7024, 24 x 10/100/1000BASE-T PoE/PoE+ (400W), 2 x 10G BASE-X SFP+ ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7024-JP	Aruba 7024, 24 x 10/100/1000BASE-T PoE/PoE+ (400W), 2 x 10G BASE-X SFP+ ports, Supports up to 32 APs and 2K clients. Integrated AC power supply. This SKU is an Japan only SKU and should not be deployed in rest-of-world.
7030-RW	Aruba 7030, 8 x 10/100/1000BASE-T or 8 x 1GBASE-X SFP Dual-Media Ports, Supports up to 64 APs and 4K clients. Integrated AC power supply. This SKU is a rest-of-world product and should not be deployed in the United States.
7030-US	Aruba 7030, 8 x 10/100/1000BASE-T or 8 x 1GBASE-X SFP Dual-Media Ports, Supports up to 64 APs and 4K clients. Integrated AC power supply. This SKU is an US only SKU and should not be deployed in rest-of-world.
7030-IL	Aruba 7030, 8 x 10/100/1000BASE-T or 8 x 1GBASE-X SFP dual personality ports, Supports up to 64 APs and 4K clients. Integrated AC power supply. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7030-JP	Aruba 7030, 8 x 10/100/1000BASE-T or 8 x 1GBASE-X SFP dual personality ports, Supports up to 64 APs and 4K clients. Integrated AC power supply. This SKU is an Japan only SKU and should not be deployed in rest-of-world.

[1] Hardware: 1 year parts/labor; can be extended with support contract. Software: 90 days with Extended with support contract

ORDERING INFORMATION

Part Number	Description
Controller Accessories	
AP-AC-12V24UN	AP-AC-12V24UN 12V/24W indoor 7005 AC power adapter. Universal, ships with 8 country-specific plug inserts
7010-MNT-19	Aruba 7010 Series Replacement 19" Equipment Rack Mounting Equipment
SPR-RK3-MNT	Aruba 7024 Replacement 19" Rack Mounting Equipment
SPR-WL2-MNT	Aruba 7024 Wall mounting accessory kit
7030-MNT-19	Aruba 7030 Series Replacement 19" Equipment Rack Mounting Equipment
SFP-LX	Aruba SFP – 1000BASE-LX, LC connector
SFP-SX	Aruba SFP – 1000BASE-SX, LC connector
SFP-TX	Aruba SFP – 1000BASE-T, RJ-45
SFP-10GE-SR	Aruba SFP+ 10GBASE-SR 850-nm serial pluggable SPF+ optic (LC), target range 300 meters over MMF, LC connector
SFP-10GE-LRM	Aruba SFP+ 10BASE-LRM 1310-nm serial pluggable SFP+ optic (LC) target range 300 meters over MMF, LC connector
SFP-10GE-LR	Aruba SFP+ 10GBASE-LR 1310-nm serial pluggable SFP+ optic (LC) for up to 10 km over SMF, LC connector

[1] Hardware: 1 year parts/labor; can be extended with support contract. Software: 90 days with Extended with support contract