

DATA SHEET

ARUBA 7000 SERIES CLOUD SERVICES CONTROLLER

Extend the digital workplace to branch offices

Aruba 7000 series Cloud Services Controllers optimize cloud services and secure enterprise applications for SD-WAN at branch offices, while reducing the cost and complexity of deploying and managing the network.

The 7005, 7010, 7024 and 7030 series Cloud Services Controllers combine wireless, wired and hybrid WAN services, support up to 64 APs and 24 Ethernet ports, and feature integrated WAN compression, health checks, zero-touch configuration, and policy-based routing. The 7000 series also unifies policy management with third-party security services, making it simpler and more secure to create an all-wireless workplace.

Supporting over 4,000 users, the 7000 series performs stateful firewall policy enforcement at up to 8 Gbps. Secure IP tunnels protect WAN traffic across the public and private transport network to the cloud and data center. Additional features include integrated firewall, secure VPN, 3G/4G LTE cellular failover, threat management with content filtering, and local bridging, based on end-user application or IT traffic forwarding requirements.

The 7000 series supports Aruba's Next-Generation Mobility Firewall with AppRF technology, which continuously evaluates app usage and performance for over 1,500 apps, including cloud and web-based services like Skype for Business, SharePoint, Box, Salesforce.com and apps that are hidden as encrypted or web traffic. It then automatically makes configuration changes in real-time to ensure optimal bandwidth, priority, and network paths in branch and remote offices to safeguard the best possible user experience.

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



Integration with cloud services such as Palo Alto Networks GlobalProtect and Microsoft Skype for Business make extending security and QoS for mobile unified communications easier and more reliable across the distributed enterprise.

The 7000 series handles other enterprise-critical capabilities like authentication, encryption, IPv4 and IPv6 services, Adaptive Radio Management, ClientMatch, 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 IT to deploy branch locations simpler 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	256	512	512	1,024
Concurrent IPsec 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	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 (micro USB/RJ-45)	Yes (micro USB/RJ-45)	Yes (micro USB/RJ-45)	Yes (micro 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	ARCNO1014(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
Controllers¹	
7005-RW	Aruba 7005, four 10/100/1000BASE-T ports, Supports up to 16AP and 1K clients, powered by PoE/PoE+ (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, four 10/100/1000BASE-T ports, Supports up to 16AP and 1K clients, powered by PoE/PoE+ (optional DC power accessory available). This SKU is a US only SKU and should not be deployed in rest-of-world.
7005-RWF1	Aruba 7005, 4x10/100/1000BASE-T ports, Supports up to 16AP and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). TAA Compliant. This SKU is a rest-of-world product and should not be deployed in the United States, Israel or Japan.
7005-USF1	Aruba 7005, 4x10/100/1000BASE-T ports, Supports up to 16AP and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). TAA Compliant. This SKU is an US only SKU and should not be deployed in rest-of-world.
7005-IL	Aruba 7005, 4x10/100/1000BASE-T ports, Supports up to 16AP 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-ILF1	Aruba 7005, 4x10/100/1000BASE-T ports, Supports up to 16AP and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). TAA Compliant. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7005-JP	Aruba 7005, four 10/100/1000BASE-T ports, Supports up to 16AP and 1K clients, powered by PoE/PoE+ (optional DC power accessory available). Japan regulatory domain (for deployments in JP only).
7005-JPF1	Aruba 7005, 4x10/100/1000BASE-T ports, Supports up to 16AP and 1K clients, powered by PoE-PD ethernet port (optional DC power accessory available). TAA Compliant. This SKU is a Japan only SKU and should not be deployed in rest-of-world.
7010-RW	Aruba 7010, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP 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, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP and 2K clients. Integrated AC power supply. This SKU is an US only SKU and should not be deployed in rest-of-world.
7010-RWF1	Aruba 7010, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is a rest-of-world product and should not be deployed in the United States.
7010-USF1	Aruba 7010, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is an US only SKU and should not be deployed in rest-of-world.
7010-IL	Aruba 7010, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP and 2K clients. Integrated AC power supply. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7010-ILF1	Aruba 7010, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7010-JP	Aruba 7010, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP and 2K clients. Integrated AC power supply. Japan regulatory domain (for deployments in JP only).
7010-JPF1	Aruba 7010, 12x10/100/1000BASE-T PoE/PoE+ (150W), 4x10/100/1000BASE-T, 2x1G BASE-X SFP ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is a Japan only SKU and should not be deployed in rest-of-world.
7024-RW	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. This SKU is a rest-of-world product and should not be deployed in the United States, Israel or Japan.

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

ORDERING INFORMATION

Part Number	Description
Controllers¹	
7024-RWF1	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is a rest-of-world product and should not be deployed in the United States, Israel or Japan.
7024-US	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. This SKU is an US only SKU and should not be deployed in rest-of-world.
7024-USF1	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is an US only SKU and should not be deployed in rest-of-world.
7024-IL	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7024-ILF1	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7024-JP	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. This SKU is a Japan only SKU and should not be deployed in rest-of-world.
7024-JPF1	Aruba 7024, 24x10/100/1000BASE-T PoE/PoE+ (400W), 2x10G BASE-X SFP+ ports, Supports up to 32AP and 2K clients. Integrated AC power supply. TAA Compliant. This SKU is a Japan only SKU and should not be deployed in rest-of-world.
7030-RW	Aruba 7030, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP 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, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP and 4K clients. Integrated AC power supply. This SKU is an US only SKU and should not be deployed in rest-of-world.
7030-RWF1	Aruba 7030, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP and 4K clients. Integrated AC power supply. TAA Compliant. This SKU is a rest-of-world product and should not be deployed in the United States.
7030-USF1	Aruba 7030, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP and 4K clients. Integrated AC power supply. TAA Compliant. This SKU is an US only SKU and should not be deployed in rest-of-world.
7030-IL	Aruba 7030, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP and 4K clients. Integrated AC power supply. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7030-ILF1	Aruba 7030, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP and 4K clients. Integrated AC power supply. TAA Compliant. This SKU is an Israel only SKU and should not be deployed in rest-of-world.
7030-JP	Aruba 7030, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP and 4K clients. Integrated AC power supply. Japan regulatory domain (for deployments in JP only).
7030-JPF1	Aruba 7030, 8x10/100/1000BASE-T or 8x1GBASE-X SFP dual personality ports, Supports up to 64 AP and 4K clients. Integrated AC power supply. TAA Compliant. This SKU is a Japan only SKU and should not be deployed in rest-of-world.

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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
SPR-RK3-MNT	7205, 7024, S2500 or S1500 Spare Rack Mount Kit. This kit is used to front-mount the 7205 Mobility Controller, 7024 Controller, S2500-xx or S1500-24P/48P to a 19" rack.
SPR-WL2-MNT	S1500-24/48 or S2500 Wall Mount and Spare Rack Kit. Used for wall mounting of S1500-24/48 or S2500. Also includes spare rack kit front- and mid-mounting of S1500-24/48 or S2500 to 19" rack.
7005-MNT-19	Aruba 7005 Series 19" Equipment Rack Mounting Equipment
7010-MNT-19	Aruba 7010 Series Replacement 19" Equipment Rack Mounting Equipment
7030-MNT-19	Aruba 7030 Series Replacement 19" Equipment Rack Mounting Equipment
SFP-LX	1000BASE-LX SFP; 1310nm pluggable GbE optic; LC connector; up to 10,000 meters over single-mode fiber
SFP-SX	1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 270 meters over multi-mode fiber (Type FDDI/OM1) and up to 550 meters over multi-mode fiber (Type OM2)
SFP-TX	1000BASE-T SFP; copper GbE pluggable; RJ45 connector; up to 100 meters over Category-5, 5e, 6 and 6a unshielded twisted pair cable
SFP-10GE-LRM	10GBASE-LRM SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 220 meters over multi-mode fiber (Type FDDI/OM1/OM2)
SFP-10GE-SR	10GBASE-SR SFP+; 850nm pluggable 10GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM3) or 400 meters with OM4
SFP-10GE-LR	10GBASE-LR SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 10,000 meters over single-mode fiber

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