

# Aruba 7000 Series Mobility Controller Data Sheet



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## OVERVIEW

Aruba 7000 Series Mobility Controllers optimize cloud services and secure enterprise applications for hybrid WAN at branch offices, while reducing the cost and complexity of deploying and managing the network.

The 7000 Series Mobility 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 unify policy management with third-party security services, making it simpler and more secure to create a digital workplace experience in head-end and branch locations.

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.

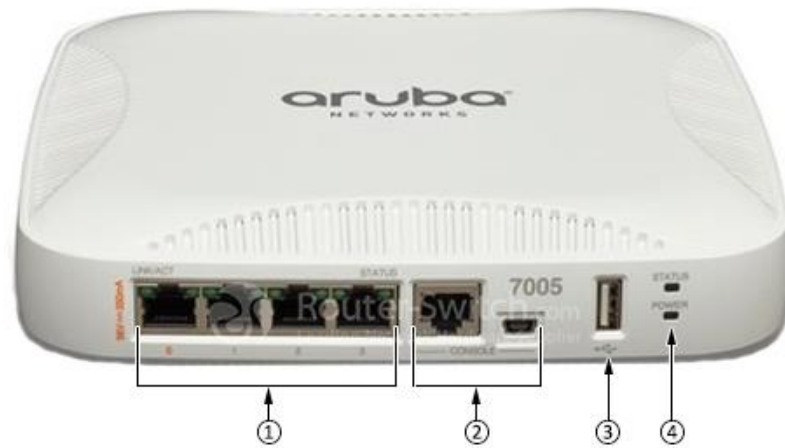
The 7000 series can be deployed in minutes with zero-touch provisioning via cloud-based Aruba Activate™, enabling IT to deploy branch locations simpler and more efficiently

## KEY MODELS

Aruba 7000 Series Mobility Controllers include these models:

- 7005 Mobility Controller is a compact, fanless entry-level branch platform that can be powered by a power-overEthernet (PoE) switch.
- 7008 Mobility Controller is a compact, fanless entry-level branch platform with 8 integrated PoE and PoE+ switch ports for small branch locations with some PoE requirements.
- 7010 Mobility Controller is designed for mid-sized branch deployments that require several PoE and PoE+ switch ports.
- 7024 Mobility Controller is designed for mid-sized branch offices that require up to 24 switch ports for unified wired and wireless access.
- 7030 Mobility Controller is ideal for mid- to large- sized branch deployments that require unprecedented scale and performance.

Figure 1 shows the ports of Aruba 7005 controller.



Note:

①	②	③	④
4 x Auto-negotiating 10/100/1000BASE-T	Console Ports	USB	LED Indicators: STATUS, POWER

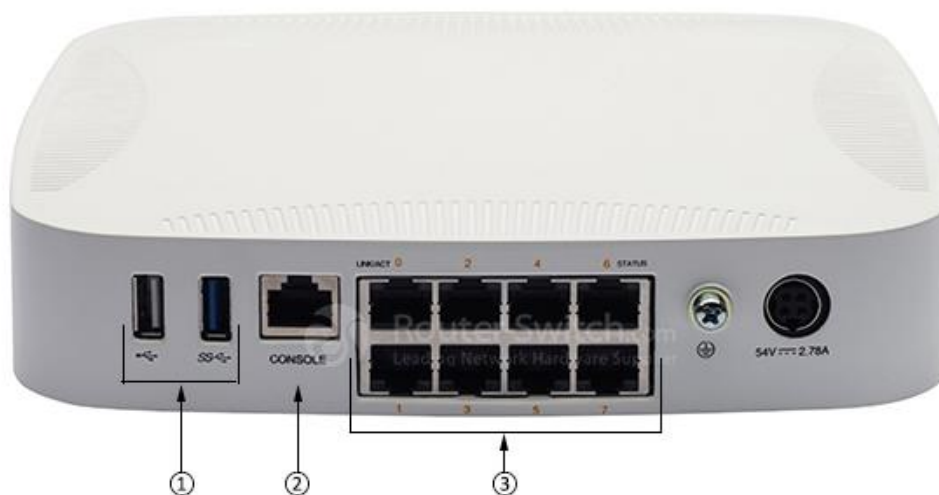
Figure 2 shows the indicators of Aruba 7008 controller.



Note:

①	②	③
POWER	STATUS	RESET CONFIG

Figure 3 shows the ports of Aruba 7008 controller.



Note:

①	②	③
USB	Console Port	8 x Auto-negotiating 10/100/1000BASE-T

Note: other models are not listed here.

## SPECIFICATIONS

These tables show the specifications.

Performance and Capacity					
Features	7005	7008	7010	7024	7030
Maximum campus AP licenses	16	16	32	32	64
Maximum remote AP licenses	16	16	32	32	64
Maximum concurrent users/devices	1,024	1,024	2,048	2,048	4,096
Maximum VLANs	4,094	4,094	4,094	4,094	4,094
Active firewall sessions	16,384	16,384	32,768	32,768	65,536
Concurrent GRE tunnels	256	256	512	512	1,024
Concurrent IPsec sessions	512	512	1,024	1,024	2,048
Mobility Access Switch tunneled-	512	512	1,024	1,024	2,048

<b>node ports</b>					
<b>Firewall throughput</b>	2 Gbps	2 Gbps	4 Gbps	4 Gbps	8 Gbps
<b>Encrypted throughput (3DES, AES-CBC)</b>	1.2 Gbps	1.2 Gbps	2.4 Gbps	2.4 Gbps	2.4 Gbps
<b>Encrypted throughput (AES-CCM)</b>	1.6 Gbps	1.6 Gbps	3.4 Gbps	3.4 Gbps	4.0 Gbps

<b>Interfaces and Indicators</b>					
<b>Features</b>	<b>7005</b>	<b>7008</b>	<b>7010</b>	<b>7024</b>	<b>7030</b>
<b>Form factor/footprint</b>	Compact	Compact	1 rack unit	1 rack unit	1 rack unit
<b>Auto-negotiating 10/100/1000BASE-T</b>	4	8	16	24	8 (combo)
<b>Gigabit Ethernet ports (GBIC or SFP)</b>	N/A	N/A	2 SFP	2 SFP+	8 (combo)
<b>USB 2.0</b>	Yes (1)	Yes (2)	Yes (2)	Yes (1)	Yes (1)
<b>Management/status LEDs</b>	Yes	Yes	Yes	Yes	Yes
<b>LINK/ACT and status LEDs</b>	No	No	No	Yes	Yes
<b>LCD panel and navigation buttons</b>	No	No	Yes	Yes	Yes
<b>Console port</b>	Yes	Yes	Yes	Yes	Yes
	(micro USB/RJ-45)	(micro USB/RJ-45)	(micro USB/RJ-45)	(micro USB/RJ-45)	(micro USB/RJ-45)
<b>Out-of-band management port</b>	No	No	Yes	Yes	Yes

<b>Power over Ethernet (PoE) support</b>					
	<b>7005</b>	<b>7008</b>	<b>7010</b>	<b>7024</b>	<b>7030</b>
<b>PoE<sup>1</sup> Role/Mode</b>	Powered Device (PD)	Power Source Equipment (PSE)	PSE	PSE	–
<b>PoE In or Out</b>	In – Port 0	Out	Out	Out	–
<b>Number of PoE+<sup>2</sup> capable Ports</b>	–	8	12	24	–
<b>Max concurrent of PoE Ports</b>	–	8	12	24	–
<b>Max concurrent PoE+ Ports</b>	–	3	5	13	–
<b>PoE Power Budget</b>	–	100W	150W	400W	–

Note:

- PoE: 802.3af, 15.4W from the PSE and 12.95W at the PD
- PoE+: 802.3at, 30W from the PSE and 25.5W at the PD

Physical					
	7005	7008	7010	7024	7030
<b>Dimensions (H x W x D)</b>	4.1 cm x 20 cm x 20 cm (1.6" x 7.9" x 7.9")	4.2 cm x 20.32 cm x 20.32 cm (1.65" x 8.0" x 8.0")	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")
<b>Weight</b>	0.92 kg (2.03 lbs)	1.0 kg (2.2 lbs)	3.4 kg (7.5 lbs)	5.127 kg (11.3 lbs)	2.06 kg (4.54 lbs)
<b>MTBF (hours, @ 25C)</b>	323,896	300,000	232,843	311,901	390,679

Environmental range					
Specification	7005	7008	7010	7024	7030
<b>Operating temperature</b>	0° C to 40° C				
<b>Storage temperature</b>	-40° C to 70° C				
<b>Humidity/storage humidity</b>	10% to 95%, NC				
<b>Operating altitude</b>	10,000 feet				
<b>Acoustic noise<sup>3</sup></b>	0 dBA (fanless)	0 dBA (fanless)	39.8 – 58.6 dBA	34.3 – 71.2 dBA	29.1 – 57.4 dBA
<b>Maximum power consumption</b>	16.6W (with USB)	126W with PoE (26W without PoE)	190W (with PoE)	450W (with PoE)	55W

Regulatory and safety compliance	
Description	Specification
<b>Safety certifications</b>	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)
<b>Electromagnetic emissions certifications</b>	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
<b>Telco</b>	Common Language Equipment Identifier (CLEI) Code
<b>Regulatory SKU information</b>	ARCN01014(7005), ARCN0103(7010), ARCN7024(7024), ARCN7030(7030)
<b>Minimum ArubaOS Release</b>	7005, AOS 6.4.1.0; 7008, AOS 6.5.0.0; 7010, AOS 6.4.1.0; 7024, AOS 6.4.3.0; 7030, AOS 6.4.1.0

## ORDERING INFORMATION

Part Number	Description
<b>Controllers</b>	
<a href="#">JW633A</a>	Aruba 7005 (RW) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JW634A</a>	Aruba 7005 (US) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JW635A</a>	Aruba 7005 (RW) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
JW636A	Aruba 7005 (US) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JW637A</a>	Aruba 7005 (IL) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JW638A</a>	Aruba 7005 (IL) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JW639A</a>	Aruba 7005 (JP) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JY849A</a>	Aruba 7005 (EG) 4x 10/100/1000BASE-T Ports 16 AP Branch Controller
<a href="#">JW640A</a>	Aruba 7005 (JP) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JX925A</a>	Aruba 7008 (IL) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JX926A</a>	Aruba 7008 (JP) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JX927A</a>	Aruba 7008 (RW) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JX928A</a>	Aruba 7008 (US) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JX929A</a>	Aruba 7008 (IL) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
JX930A	Aruba 7008 (JP) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
JX931A	Aruba 7008 (RW) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
JX932A	Aruba 7008 (US) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller
<a href="#">JW678A</a>	Aruba 7010 (RW) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller
<a href="#">JW679A</a>	Aruba 7010 (US) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller
JY850A	Aruba 7010 (EG) 16x 1000BASE-T + 2x SFP Ports 32 AP Branch Controller
JW702A	Aruba 7010 (RW) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clients Controller
JW703A	Aruba 7010 (US) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clients Controller
<a href="#">JW680A</a>	Aruba 7010(IL) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 for AP and 2K Clients Controller
<a href="#">JW704A</a>	Aruba 7010 (IL) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients



	Controller
JW681A	Aruba 7010 (JP) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP for 32 AP and 2K Clients Controller
<a href="#">JW705A</a>	Aruba 7010 (JP) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clients Controller
JW682A	Aruba 7024 (RW) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
<a href="#">JW706A</a>	Aruba 7024 (RW) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
JW683A	Aruba 7024 (US) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
JW707A	Aruba 7024 (US) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
<a href="#">JW684A</a>	Aruba 7024 (IL) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
<a href="#">JW708A</a>	Aruba 7024 (IL) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
<a href="#">JW685A</a>	Aruba 7024 (JP) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
<a href="#">JW709A</a>	Aruba 7024 (JP) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller
<a href="#">JW686A</a>	Aruba 7030 (RW) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller
JW687A	Aruba 7030 (US) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller
<a href="#">JW710A</a>	Aruba 7030 (RW) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller
JW711A	Aruba 7030 (US) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller
<a href="#">JW688A</a>	Aruba 7030 (IL) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller
<a href="#">JY851A</a>	Aruba 7030 (EG) 8x 1000BASE-T or 8xSFP64 AP Branch Controller
<a href="#">JW712A</a>	Aruba 7030 (IL) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T 1GBASE-X SFP 64 AP and 4K Clients Controller
<a href="#">JW689A</a>	Aruba 7030 (JP) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller
<a href="#">JW713A</a>	Aruba 7030 (JP) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller
<b>Controller Accessories</b>	
JX989A	AP-AC-12V30A 12V 30W Power Adapter
JW082A	Aruba SPR-RK3-MNT 7205/7024/S2500-xx/S1500-24P/48P Spare Front Rack Mount
JW083A	Aruba SPR-WL2-MNT S2500/S1500 7024 Wall and Rack Mount Kit
JW084A	Aruba 7005-MNT-19 7005 Series 19-inch Rack Mount Kit
JW085A	Aruba 7010-MNT-19 7010 Series Replacement 19-inch Rack Mounting Kit
JW086A	Aruba 7030-MNT-19 7030 Series Replacement 19-inch Rack Mounting Kit
JW087A	SFP-LX 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR
JW088A	SFP-SX 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR
JW089A	SFP-TX 1000BASE-T SFP Copper GbE RJ-45 Connector Pluggable XCVR
JW090A	SFP-10GE-LRM 10GBASE-LRM SFP+ 1310nm LC Connector Pluggable 10GbE XCVR
JW091A	SFP-10GE-SR 10GBASE-SR SFP+ 850nm Pluggable LC Connector 10GbE XCVR
JW092A	SFP-10GE-LR 10GBASE-LR SFP+ 1310nm Pluggable LC Connector 10GbE XCVR

## WHERE TO BUY

### Want to buy this series of products? please contact:

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- Fax: +852-3050-1066 (Hong Kong)
- Email: sales@router-switch.com (Sales Inquiries)

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## SOURCES

<https://www.arubanetworks.com/products/networking/controllers/7000-series/>