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 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, while reducing local complexity.

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 Mobility Controller** is a compact, fanless entry-level branch platform that can be powered by a power-over-Ethernet (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.
## PERFORMANCE AND CAPACITY

<table>
<thead>
<tr>
<th>Features</th>
<th>7005</th>
<th>7008</th>
<th>7010</th>
<th>7024</th>
<th>7030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum campus AP licenses</td>
<td>16</td>
<td>16</td>
<td>32</td>
<td>32</td>
<td>64</td>
</tr>
<tr>
<td>Maximum remote AP licenses</td>
<td>16</td>
<td>16</td>
<td>32</td>
<td>32</td>
<td>64</td>
</tr>
<tr>
<td>Maximum concurrent users/devices</td>
<td>1,024</td>
<td>1,024</td>
<td>2,048</td>
<td>2,048</td>
<td>4,096</td>
</tr>
<tr>
<td>Maximum VLANs</td>
<td>4,094</td>
<td>4,094</td>
<td>4,094</td>
<td>4,094</td>
<td>4,094</td>
</tr>
<tr>
<td>Active firewall sessions</td>
<td>16,384</td>
<td>16,384</td>
<td>32,768</td>
<td>32,768</td>
<td>65,536</td>
</tr>
<tr>
<td>Concurrent GRE tunnels</td>
<td>256</td>
<td>256</td>
<td>512</td>
<td>512</td>
<td>1,024</td>
</tr>
<tr>
<td>Concurrent IPsec sessions</td>
<td>512</td>
<td>512</td>
<td>1,024</td>
<td>1,024</td>
<td>2,048</td>
</tr>
<tr>
<td>Mobility Access Switch tunneled-node ports</td>
<td>512</td>
<td>512</td>
<td>1,024</td>
<td>1,024</td>
<td>2,048</td>
</tr>
<tr>
<td>Firewall throughput</td>
<td>2 Gbps</td>
<td>2 Gbps</td>
<td>4 Gbps</td>
<td>4 Gbps</td>
<td>8 Gbps</td>
</tr>
<tr>
<td>Encrypted throughput (3DES, AES-CBC)</td>
<td>1.2 Gbps</td>
<td>1.2 Gbps</td>
<td>2.4 Gbps</td>
<td>2.4 Gbps</td>
<td>2.4 Gbps</td>
</tr>
<tr>
<td>Encrypted throughput (AES-CCM)</td>
<td>1.6 Gbps</td>
<td>1.6 Gbps</td>
<td>3.4 Gbps</td>
<td>3.4 Gbps</td>
<td>4.0 Gbps</td>
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## INTERFACES AND INDICATORS

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

## PHYSICAL

<table>
<thead>
<tr>
<th>Features</th>
<th>7005</th>
<th>7008</th>
<th>7010</th>
<th>7024</th>
<th>7030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (H x W x D)</td>
<td>4.1 cm x 20 cm x 20 cm (1.6” x 7.9” x 7.9”)</td>
<td>4.2 cm x 20.32 cm x 20.32 cm (1.65” x 8.0” x 8.0”)</td>
<td>4.42 cm x 31.75 cm x 33.7 cm (1.74” x 12.75” x 13.3”)</td>
<td>4.37 cm x 44.2 cm x 31.3 cm (1.72” x 17.4” x 12.32”)</td>
<td>4.4 cm x 30.5 cm x 21.1 cm (1.7” x 12” x 8.3”)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.92 kg (2.03 lbs)</td>
<td>1.0 kg (2.2 lbs)</td>
<td>3.4 kg (7.5 lbs)</td>
<td>5.12 kg (11.3 lbs)</td>
<td>2.06 kg (4.54 lbs)</td>
</tr>
<tr>
<td>MTBF (hours, @ 25C)</td>
<td>323,896</td>
<td>300,000</td>
<td>232,843</td>
<td>311,901</td>
<td>390,679</td>
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### ENVIRONMENTAL RANGE

<table>
<thead>
<tr>
<th>Specification</th>
<th>7005</th>
<th>7008</th>
<th>7010</th>
<th>7024</th>
<th>7030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>0° C to 40° C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40° C to 70° C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity/storage humidity</td>
<td>10% to 95%, NC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating altitude</td>
<td>10,000 feet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acoustic noise(^1)</td>
<td>0 dBA (fanless)</td>
<td>0 dBA (fanless)</td>
<td>39.8 – 58.6 dBA</td>
<td>34.3 – 71.2 dBA</td>
<td>29.1 – 57.4 dBA</td>
</tr>
<tr>
<td>Maximum power consumption</td>
<td>16.6W (with USB)</td>
<td>126W with PoE (26W without PoE)</td>
<td>190W (with PoE)</td>
<td>450W (with PoE)</td>
<td>55W</td>
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</tbody>
</table>

\(^1\) Sound power per ETSI 300 753 in accordance with ISO 7779

### REGULATORY AND SAFETY COMPLIANCE

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electromagnetic emissions certifications</td>
<td>FCC Part 15 Class B CE&lt;br&gt;AS/NZS CISPR22 Class B&lt;br&gt;CISPR22 Class A (7010, 7024, 7030), Class B (7005)&lt;br&gt;EN55022 Class A (7010, 7024, 7030), Class B (7005)&lt;br&gt;ICES-003 Class A (7010, 7024, 7030), Class B (7005)&lt;br&gt;VCCI Class A (7010, 7024, 7030), Class B (7005)&lt;br&gt;EN61000-3-2&lt;br&gt;EN61000-3-3&lt;br&gt;EN 61000-4-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11, AS/NZS 3548&lt;br&gt;KN22 Class B&lt;br&gt;KCC&lt;br&gt;CNS13438 Class B&lt;br&gt;EN55024/CISPR24&lt;br&gt;KN24&lt;br&gt;Industry Canada Class B&lt;br&gt;CE mark, cTUVus, CB, C-tick, Anatel, NOM, MIC</td>
</tr>
<tr>
<td>Telco</td>
<td>Common Language Equipment Identifier (CLEI) Code</td>
</tr>
<tr>
<td>Regulatory SKU information</td>
<td>ARCN01014(7005), ARCN0103(7010), ARCN7024(7024), ARCN7030(7030)</td>
</tr>
<tr>
<td>Minimum ArubaOS Release</td>
<td>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</td>
</tr>
</tbody>
</table>
## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JW633A</td>
<td>Aruba 7005 (RW) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW634A</td>
<td>Aruba 7005 (US) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW635A</td>
<td>Aruba 7005 (RW) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW636A</td>
<td>Aruba 7005 (US) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW637A</td>
<td>Aruba 7005 (IL) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW638A</td>
<td>Aruba 7005 (IL) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW639A</td>
<td>Aruba 7005 (JP) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW640A</td>
<td>Aruba 7005 (JP) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX925A</td>
<td>Aruba 7008 (IL) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX926A</td>
<td>Aruba 7008 (JP) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX927A</td>
<td>Aruba 7008 (RW) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX928A</td>
<td>Aruba 7008 (US) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX929A</td>
<td>Aruba 7008 (IL) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX930A</td>
<td>Aruba 7008 (JP) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX931A</td>
<td>Aruba 7008 (RW) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JX932A</td>
<td>Aruba 7008 (US) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller</td>
</tr>
<tr>
<td>JW678A</td>
<td>Aruba 7010 (RW) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
</tr>
<tr>
<td>JW679A</td>
<td>Aruba 7010 (US) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
</tr>
<tr>
<td>JW680A</td>
<td>Aruba 7010 (IL) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
</tr>
<tr>
<td>JW681A</td>
<td>Aruba 7010 (JP) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
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<tr>
<td>JW702A</td>
<td>Aruba 7010 (RW) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
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<tr>
<td>JW703A</td>
<td>Aruba 7010 (US) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
</tr>
<tr>
<td>JW704A</td>
<td>Aruba 7010 (IL) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
</tr>
<tr>
<td>JW705A</td>
<td>Aruba 7010 (JP) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller</td>
</tr>
<tr>
<td>JW682A</td>
<td>Aruba 7024 (RW) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Client Controller</td>
</tr>
<tr>
<td>JW706A</td>
<td>Aruba 7024 (RW) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Client Controller</td>
</tr>
<tr>
<td>JW683A</td>
<td>Aruba 7024 (US) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Client Controller</td>
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<tr>
<td>JW684A</td>
<td>Aruba 7024 (IL) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Client Controller</td>
</tr>
<tr>
<td>JW707A</td>
<td>Aruba 7024 (JP) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Client Controller</td>
</tr>
<tr>
<td>JW685A</td>
<td>Aruba 7024 (IL) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Client Controller</td>
</tr>
<tr>
<td>JW709A</td>
<td>Aruba 7024 (JP) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Client Controller</td>
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<tr>
<td>JW686A</td>
<td>Aruba 7030 (RW) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller</td>
</tr>
<tr>
<td>JW687A</td>
<td>Aruba 7030 (US) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller</td>
</tr>
<tr>
<td>JW710A</td>
<td>Aruba 7030 (RW) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>JW711A</td>
<td>Aruba 7030 (US) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller</td>
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<tr>
<td>JW688A</td>
<td>Aruba 7030 (IL) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller</td>
</tr>
<tr>
<td>JY851A</td>
<td>Aruba 7030 (EG) 8x 1000BASE-T or 8xSFP64 AP Branch Controller</td>
</tr>
<tr>
<td>JW712A</td>
<td>Aruba 7030 (IL) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T 1GBASE-X SFP 64 AP and 4K Clients Controller</td>
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<tr>
<td>JW689A</td>
<td>Aruba 7030 (JP) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller</td>
</tr>
<tr>
<td>JW713A</td>
<td>Aruba 7030 (JP) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller</td>
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</table>

**Controller Accessories**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JX989A</td>
<td>AP-AC-12V30A 12V 30W Power Adapter</td>
</tr>
<tr>
<td>JW083A</td>
<td>Aruba SPR-WL2-MNT S2500/S1500 7024 Wall and Rack Mount Kit</td>
</tr>
<tr>
<td>JW084A</td>
<td>Aruba 7005-MNT-19 7005 Series 19-inch Rack Mount Kit</td>
</tr>
<tr>
<td>JW085A</td>
<td>Aruba 7010-MNT-19 7010 Series Replacement 19-inch Rack Mounting Kit</td>
</tr>
<tr>
<td>JW086A</td>
<td>Aruba 7030-MNT-19 7030 Series Replacement 19-inch Rack Mounting Kit</td>
</tr>
<tr>
<td>JW087A</td>
<td>SFP-LX 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR</td>
</tr>
<tr>
<td>JW088A</td>
<td>SFP-SX 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR</td>
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<tr>
<td>JW089A</td>
<td>SFP-TX 1000BASE-T SFP Copper GbE RJ-45 Connector Pluggable XCVR</td>
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<tr>
<td>JW090A</td>
<td>SFP-10GE-LRM 10GBASE-LRM SFP+ 1310nm LC Connector Pluggable 10GbE XCVR</td>
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<tr>
<td>JW091A</td>
<td>SFP-10GE-SR 10GBASE-SR SFP+ 850nm Pluggable LC Connector 10GbE XCVR</td>
</tr>
<tr>
<td>JW092A</td>
<td>SFP-10GE-LR 10GBASE-LR SFP+ 1310nm Pluggable LC Connector 10GbE XCVR</td>
</tr>
</tbody>
</table>

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