

OmniVista 3600 Air Manager provides a range of features to manage network infrastructure devices from Alcatel-Lucent and other vendors. This document describes the supported product families, software versions, and feature set for the following product sets:

- "Alcatel-Lucent Devices" on page 1
- "Aruba Devices" on page 4
- "Other Third-Party Vendor Devices" on page 5
  - "Cisco® Devices" on page 6
  - "Hewlett Packard Enterprise Devices" on page 9
  - "Juniper® Devices" on page 11
  - "Meru® Devices" on page 12
  - "Motorola® Devices" on page 12
  - "Other Third-Party Devices with Monitoring Support" on page 13
- "Other Switches" on page 14

### Alcatel-Lucent Devices

OV3600 supports management of global configuration profiles or settings, monitoring, and software upgrades on Alcatel-Lucent devices that are running Alcatel-Lucent AOS-W 6.5.0.0, 6.5.1.0, 6.5.2.0, 6.5.3.0, and 6.5.4.0. OV3600 supports only monitoring and software upgrades on Alcatel-Lucent devices running Alcatel-Lucent AOS-W 8.0.0.0 or later.

OV3600 supports Alcatel-Lucent unified APs, which are APs factory-installed with Alcatel-Lucent AOS-W 6.5.2.0 or a later. A unified AP can be configured to operate as either a campus AP or a remote AP when that device is first provisioned. For more information on unified APs, refer to the *Alcatel-Lucent AOS-W 6.5.2 Release Notes*.



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The OAW-AP80M series of access points is not supported by OV3600.

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### Alcatel-Lucent AOS-W

OV3600 supports all Alcatel-Lucent switches and most access points (APs) that are running the following Alcatel-Lucent AOS-W versions and haven't reached the end of life milestone:

- 6.4.4.0
- 6.5.0.0, 6.5.1.0, 6.5.2.0, 6.5.3.0, and 6.5.4.0
- 8.0.0.0 and 8.0.1.0
- 8.1.0.0, 8.1.0.2, and 8.1.0.3
- 8.2.0.0 and 8.2.1.0
- 8.3.0.0, 8.3.0.1, 8.3.0.2, and 8.3.0.3

Refer to <http://www.arubanetworks.com/support-services/end-of-life/> for the complete list of products that have reached the end-of-life milestone.

**Table 1: Supported Alcatel-Lucent AOS-W Devices**

Device	Validated up to
OAW-AP374, OAW-AP375, and OAW-AP377	8.3.0.0
OAW-AP365 and OAW-AP367	6.5.2.0
OAW-AP334 and OAW-AP335 with Dual 5-GHz Mode	8.3.0.0
OAW-AP334 and OAW-AP335	6.5.1.0
OAW-AP324 and OAW-AP325	6.5.1.0
OAW-AP318	8.3.0.0
OAW-AP315 and OAW-AP314	6.5.0.0
OAW-AP304 and OAW-AP305	6.5.1.0
OAW-AP303	8.3.0.0
OAW-AP303H and OAW-AP303HR	6.5.2.0
OAW-AP303P	8.3.0.0
OAW-AP277	6.5.0.0
OAW-AP274 and OAW-AP275	6.5.0.0
OAW-AP224 and OAW-AP225	6.5.0.0
OAW-AP214 and OAW-AP215	6.5.0.0
OAW-AP207	6.5.1.0
OAW-AP205H	6.5.0.0
OAW-AP204 and OAW-AP205	6.5.0.0
OAW-AP203H	6.5.2.0
OAW-AP203R and OAW-203RP	6.5.2.0
OAW-AP175	6.5.0.0
OAW-AP134 and OAW-AP135	6.5.0.0
OAW-AP124 and OAW-AP125	6.5.0.0
OAW-AP114 and OAW-AP115	6.5.0.0
OAW-AP104 and OAW-AP105	6.5.0.0

**Table 1: Supported Alcatel-Lucent AOS-W Devices (Continued)**

Device	Validated up to
OAW-AP103	6.5.0.0
OAW-AP103H	6.5.0.0
OAW-AP92 and OAW-AP93	6.5.0.0
OAW-AP93H	6.5.0.0
OAW-AP68	6.5.0.0
OAW-4504/4604/4704 Series switch	6.4.4.0
OAW-4005 switch	6.5.0.0
OAW-4010 switch	6.5.0.0
OAW-4024 switch	6.5.0.0
OAW-4030 switch	6.5.0.0
OAW-4550/4650/4750 Series switch	6.5.0.0
OAW-7280 switch	6.5.0.0

## Alcatel-Lucent Instant

OV3600 supports Alcatel-Lucent Instant Access Points running Instant software 8.3.0.0 and all prior versions that have not reached the end of support milestone. OV3600 also supports the Alcatel-Lucent RAP-100 Series and RAP-3 Series remote access points.

**Table 2: Supported Alcatel-Lucent Instant Devices**

Instant Version	Support for	
	Template Config	Instant GUI Config
Instant 8.3.0.0	OV3600 8.2.7.1	OV3600 8.2.7.1
Instant 8.3.0.0	OV3600 8.2.6.1	OV3600 8.2.6.1
Instant 6.5.4.0	OV3600 8.2.5.1	OV3600 8.2.5.1
Instant 6.5.4.0	OV3600 8.2.5	OV3600 8.2.5
Instant 6.5.3.0	OV3600 8.2.4.1	OV3600 8.2.4.1
Instant 6.5.2.0	OV3600 8.2.4	OV3600 8.2.4
Instant 4.3.1.0	OV3600 8.2.3.1	OV3600 8.2.3.1
Instant 4.3.0.0	OV3600 8.2.3	OV3600 8.2.3

**Table 2: Supported Alcatel-Lucent Instant Devices (Continued)**

Instant Version	Support for	
	Template Config	Instant GUI Config
Instant 4.2.4.0	OV3600 8.2.1	OV3600 8.2.2
Instant 4.2.3.0	OV3600 8.2.0	OV3600 8.2.2




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Starting with 6.4.3.x-4.2, Instant software does not support OAW-IAP92 and OAW-IAP93.

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## Aruba Devices

This release of OV3600 supports the following Aruba switches and software.

### Aruba Switches

OV3600 supports monitoring, template configuration, and firmware changes on the Aruba switches listed in [Table 3](#). On these switches, you can set up device-specific triggers and alerts and designate them as trap receivers. If you want to see the SNMP traps, go to the **System > Syslog & Traps** page.

In addition, you can push a complete configuration profile using templates to Aruba switches that have a factory-default configuration, or you can send configuration jobs using switch CLI commands and snippets to switches in a device group.




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In VisualRF, these Aruba switches appear in the VisualRF product catalog. However, their utilization values will be 0 because OV3600 does not get utilization values for these devices.

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**Table 3: Supported Aruba Switches**

Device	Monitoring	Configuration	Firmware Upgrade	Validated Firmware Version
Aruba 2530YA	Yes	Yes	Yes	YA.16.07.0002
Aruba 2530YB	Yes	Yes	Yes	YB.16.07.0002
Aruba 2540	Yes	Yes	Yes	YC.16.07.0002
Aruba 2620	Yes	Yes	Yes	RA.16.04.0016
Aruba 2920	Yes	Yes	Yes	WB.16.07.0002
Aruba 2930F	Yes	Yes	Yes	WC.16.07.0002
Aruba 2930M	Yes	Yes	Yes	WC.16.07.0002
Aruba 3800	Yes	Yes	Yes	KA.16.04.0013
Aruba 3810	Yes	Yes	Yes	KB.16.07.0002

**Table 3: Supported Aruba Switches (Continued)**

Device	Monitoring	Configuration	Firmware Upgrade	Validated Firmware Version
Aruba 5400R	Yes	Yes	Yes	KB.16.07.0002
Aruba 5406zl	Yes	No	No	K.15.16.0021
Aruba 5412zl	Yes	No	No	K.15.16.0021
Aruba 8320	Yes	No	No	10.01.0030
Aruba 8400	Yes	No	No	10.01.0030

### Aruba Mobility Master Appliances

OV3600 supports the following devices running ArubaOS 8.0.0.0 and later:

- Mobility Master Hardware Appliance MM-HW-1K, MM-HW-5K, and MM-HW-10K
- Mobility Master Virtual Appliance MM-VA

### Aruba Mobility Access Switches

OmniVista 3600 Air Manager supports profile configuration, monitoring, and software upgrades on the Aruba Mobility Access Switches. In addition to the port statistics supported for most Ethernet switches with the supported firmware described below, OV3600 also tracks the activity of authenticated wired clients on Aruba switches.

**Table 4: Supported Aruba Mobility Access Switches**

Device	Validated up to
S1500	7.4.0.0
S2500	7.4.0.0
S3500	7.4.0.0

### Aruba AirMesh

Aruba AirMesh outdoor products running MeshOS 4.2 are supported for monitoring and software upgrades.

**Table 5: Supported Aruba MeshOS Devices**

Device	Validated up to
MSR1200	MeshOS 4.2
MSR2000	MeshOS 4.2
MSR4000	MeshOS 4.2
MST200	MeshOS 4.2

## Other Third-Party Vendor Devices

OV3600 supports the following monitoring features for other third party devices:

- User monitoring data such as connection time, user name, SSID, and bandwidth
- Network monitoring data, including real-time and historical bandwidth and user count metrics
- Rogue detection and classification using OV3600 customizable rules
- VisualRF heatmaps and user/rogue location
- Reports
- Triggers and alerts

In some cases, you can do basic configuration and firmware upgrades, as well as discover third-party controller and APs.

## Cisco® Devices

OV3600 supports Cisco devices that are running the latest verified firmware versions and have not reached the end of life milestone. Informal testing shows that OV3600 supports devices running more recent versions of firmware, but full support for these later versions is not validated.

### Cisco Autonomous Access Points

OV3600 provides monitoring, management, and software upgrade support for the autonomous APs listed in [Table 6](#).

**Table 6:** *Supported Cisco Autonomous Access Points*

Model	Validated up to
350 Series Access Points	IOS 12.3(11)JA and IOS 12.4(21a)JA1
702 Series Access Points	IOS: 15.3(3)JD
801 Series Integrated Access Points	IOS 12.4(25d)JA2 and IOS 15.(22)JB
860 Series Access Points	IOS 12.4(15)XZ, 12.4(20)T
881 Series Access Points	IOS 12.4(21a)JA1
881W Series Access Points	IOS 12.4(21a)JA1 and IOS 15.0(1)M7
881GW Series Access Points	IOS 12.4(21a)JA1 and IOS 15.1(4)M3
891 Series Access Points	IOS 12.4(21a)JA1 and IOS 15.0(1)M7
1040 Series Access Points	IOS 12.4(21a)JA1
1100 Series Access Points	IOS 12.4(21a)JA1
1110 Series Access Points	IOS 12.4(21a)JA1 and IOS 12.3(11)JA
1130 Series Access Points	IOS 12.4(21a)JA1
1140 Series Access Points	IOS 12.4(21a)JA1 and IOS 12.3(11)JA
1200 Series Access Points	IOS 12.4(21a)JA1 and IOS 12.3(11)JA
1210 Series Access Points	IOS 12.4(21a)JA1

**Table 6: Supported Cisco Autonomous Access Points (Continued)**

Model	Validated up to
1230 Series Access Points	IOS 12.4(21a)JA1
1240 Series Access Points	IOS 12.4(21a)JA1
1250 Series Access Points	IOS 12.4(21a)JA1
1260 Series Access Points	IOS 12.4(21a)JA1
1300/1400 Series Bridges	IOS 12.4(21a)JA1
1700 Series Access Points	IOS 10.2.111.0 (IOS: 15.3(3)JN3)
1941W Series Access Points	IOS 15.2(3)T
2700 Series Access Points	IOS 10.2.111.0 (IOS: 15.3(3)JN3)

### Cisco Wireless Controllers and Access Points

OV3600 supports monitoring, RAPIDS, device discovery, and VisualRF for these devices, as well as configuration, firmware identification, AMP upgrade, and client monitoring-diagnostics for wireless controllers.

Table 7 lists the Cisco wireless controllers and access point platforms that are supported in this release.

**Table 7: Supported Cisco Wireless Controllers and Access Points**

Model	Validated up to
1040 Series Access Points	8.3.102.0
1130 Series Access Points	7.6.110.0 (Bootloader: 7.0.116.0)
1140 Series Access Points	8.3.102.0
1200 Series Access Points	8.3.102.0
1550 Series Access Points	8.3.102.0
1600 Series Access Points	8.3.102.0
1700 Series Access Points	8.3.102.0
1800 Series Access Points	8.3.102.0
2600 Series Access Points	8.3.102.0
2700 Series Access Points	8.3.102.0
2802 Series Access Points	8.5.110.0
3500 Series Access Points	8.3.102.0
3600 Series Access Points	8.3.102.0

**Table 7: Supported Cisco Wireless Controllers and Access Points (Continued)**

Model	Validated up to
3700 Series Access Points	8.3.102.0
3800 Series Access Points	8.3.102.0
2100 Series Wireless Controllers	7.0.235.0 (Bootloader: 7.0.235.0)
2500 Series Wireless Controllers	8.3.102.0
4400 Series Wireless Controllers	7.0.235.0 (Bootloader: 7.0.235.0)
5500 Series Wireless Controllers	8.5.110.0
5760 Wireless Controllers	3.2.0
Flex 7500 Controllers	8.3.102.0
8510 Controllers	8.5.110.0




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Cisco Mobility Services Engine and 500 Series Access Points are not supported.

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## Cisco Switches

OV3600 supports automated discovery through SNMP, model and firmware version identification, and displays CDP neighbor information and extended port error statistics for the Cisco switches listed in [Table 8](#).

**Table 8: Supported Cisco Switches**

Model	Validated up to
Catalyst 2900 Series Switches (monitoring only)	15.0(2)SE11
Catalyst 3650 Series Switches	03.06.06E
Catalyst 3750 Series Switches	12.2(55)SE11
Catalyst 3850 Series Switches	03.06.06E
Industrial Ethernet 4000 Series Switches	15.2(4)EA5
Aironet 4800 Series Bridges (pre-VxWorks, monitoring only)	8.65_2

OV3600 doesn't update the upstream device information for access points connected to Cisco switches when Cisco switches are polled when using SNMPv3. Cisco has restricted access to the BRIDGE-MIB when using SNMPv3. When you access a Cisco switch using SNMPv3, APs connected to that switch may not be able to show upstream device info. As a workaround to this issue, add SNMPv3 bridge commands to the Cisco switches in order to expose VLAN values for the MIB polled by UDT. If there are devices on a switch, add the following command for each VLAN-#:

```
snmp-server group <GroupName> v3 priv context
```

You may need to append views to the command, as follows:

```
snmp-server group <GroupName> v3 priv context <VLAN-#> read <ViewName>
```



Use the **match prefix** parameter to all existing VLANs:

- `snmp-server group <GroupName> v3 priv context vlan- match prefix`
- `snmp-server group <GroupName> v3 priv context vlan- match prefix access`

## Hewlett Packard Enterprise Devices

The firmware versions for the HPE devices listed [Table 9](#) represent the latest firmware version verified as fully supported by OmniVista 3600 Air Manager 8.2.7.1. The devices in [Table 9](#) are available within the VisualRF product catalog and can be selected when setting up device-specific triggers and alerts. In addition, these devices can be set up as trap receivers, and the SNMP traps can be seen on the **System > Syslog & Traps** page.



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OV3600 does not support MSM APs running in autonomous mode.

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Informal testing shows that OV3600 supports some devices running more recent versions of firmware, but full support for these later versions is not guaranteed. For more information on configuring and managing and HPE switches via OV3600, refer to the *OV3600 Switch Configuration Guide*.

**Table 9:** *HPE Device Support*

Model	FirmWare Validated Up To
MSM310 and MSM310R	6.5.1.0
MSM313 and MSM313R	6.5.10
MSM317	6.5.1.0
MSM318	6.5.1.0
MSM320 and MSM320R	6.5.1.0
MSM323 and MSM323R	6.5.1.0
MSM325	6.5.1.0
MSM335	6.5.1.0
MSM410	6.5.1.0
MSM417*	6.5.1.0
MSM422	6.5.1.0
MSM425*	6.5.1.0
MSM430	6.5.1.0
MSM460	6.5.1.0
MSM466 and 466R	6.5.1.0
MSM525*	6.5.1.0
MSM527*	6.5.1.0

**Table 9: HPE Device Support (Continued)**

Model	FirmWare Validated Up To
MSM560*	6.5.1.0
MSM710 Controller	6.5.1.0
MSM720 Controller	6.5.1.0
MSM730 Controller	6.5.1.0
MSM750 Controller	6.5.1.0
MSM760 Controller	6.5.1.0
MSM765 Controller	6.5.1.0
ProCurve 420	2.0.38 - 2.2.5
ProCurve 520wl	???
ProCurve 530	WA.01.16-WA.02.19
ProCurve 2626-PWR	H.10.35 (ROM H.08.02)
830 Unified Wired-WLAN Switch*	5.20.109 (Release 2607P39)
850 Unified Wired-WLAN Switch*	5.20.109 (Release 2607P39)
870 Unified Wired-WLAN Switch*	5.20.109 (Release 2607P39)
HPE WESM controllers & APs xl	WS.01.05 – WS.02.19
HPE WESM controllers & APs zl	WT.01.03 – WT.01.28
HPE 1950 Switch Series	2220P02 (Comware 7)
HPE 3100 Switch Series	2220P02 (Comware 7)
HPE 3600 Switch Series	2220P02 (Comware 7)
HPE 5120 Switch Series	2220P02 (Comware 7)
HPE 5130 Switch Series	2220P02 (Comware 7)
HPE 5500 Switch Series	2220P02 (Comware 7)
HPE 5820 Switch Series	1810P13 (Comware 7)
HPE 5900 Switch Series	2220P02 (Comware 7)
HPE 7500 Switch Series	2220P02 (Comware 7)
HPE 10500 Switch Series	2220P02 (Comware 7)
* These HPE devices are not supported in VisualRF.	

## High Availability Support

OV3600 8.2 introduces support for pairs of HP Unified Wired-WLAN (UWW) devices operating in HA mode. OV3600 monitors the status of each controller. After OV3600 detects that a failover occurred and the APs failed over to the backup controller, OV3600 displays the current status of the APs.

## HPE ProCurve

HPE ProCurve switches have the following additional support through OV3600:

- Automated discovery through SNMP
- Model & software version identification

## Juniper® Devices

The following Juniper controllers and APs are supported for monitoring, configuration, and software upgrades.



The firmware versions listed in the table below represents the latest firmware version verified as fully supported by OV3600 8.2.7.1. Informal testing shows that OV3600 supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

**Table 10:** Supported Juniper Access Points and Wireless LAN Controllers

Model	Validated up to
WLA321 Access Points	9.1.0.6.0
WLA322 Access Points	9.1.0.6.0
WLA522 Access Points	9.1.0.6.0
WLA532 Access Points	9.1.0.6.0
WLA632 Access Points	9.1.0.6.0
WLC100 Wireless LAN Controllers	9.1.0.6.0
WLC2 Wireless LAN Controllers	9.1.0.6.0
WLC2800 Wireless LAN Controllers	9.1.0.6.0
WLC8 Wireless LAN Controllers	9.1.0.6.0
WLC800 Wireless LAN Controllers	9.1.0.6.0
WLC880 Wireless LAN Controllers	9.1.0.6.0
WLC JunosV Wireless LAN Controllers	9.1.0.6.0
Juniper Switch	12.3R6.6

## Juniper®

Juniper switches have the following additional support through OV3600:

- Automated discovery through SNMP
- Model & software version identification
- Rogue AP detection is supported using the Q-BRIDGE MIB

## Meru® Devices

The following Meru controllers and APs are now supported in VisualRF.



The firmware versions listed in the table below represents the latest firmware version verified as fully supported by OV3600 8.2.7.1. Informal testing shows that OV3600 supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

**Table 11: Meru Device Support**

Model	Validated up to
AP302	6.1.1-25
AP320i	6.1.1-25
AP332i	6.1.1-25
AP433i	6.1.1-25
AP433is	6.1.1-25
AP822e	6.1.1-25
AP822i	6.1.1-25
AP832e	6.1.1-25
AP832i	6.1.1-25
RS4000	6.1.1-25
MC1000*	3.6.1-49
MC1550	6.1.1-25
MC3000*	3.6.1-49
MC3200	6.1.1-25
MC4200	6.1.1-25
MC5000*	3.6.1-49
*This version of OV3600 supports monitoring for these devices.	



VisualRF support for the for the AP433i, AP433e, AP433is, AP822i, and AP822e is not included in this release of OV3600.

## Motorola® Devices

The following Motorola (formerly Symbol) controllers and autonomous APs are supported for monitoring, configuration, and software upgrades.



The firmware versions listed in the table below represents the latest firmware version verified as fully supported by OV3600 8.2.7.1. Informal testing shows that OV3600 supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

**Table 12: Motorola Autonomous AP, Wireless LAN Controller, and AP Support**

Model	Validated up to
AP621	5.4.2.0-030R
AP622	5.4.2.0-030R
AP650	5.4.2.0-030R
AP5131	5.4.2.0-030R
AP5181	5.4.2.0-030R
AP6521*	5.4.2.0-030R
AP6522*	5.4.2.0-030R
AP6532*	5.7.0.0-057R
AP7131	5.4.2.0-030R
AP7161	5.4.2.0-030R
AP7532	5.8.1.0-012R
NX9600	5.8.6.0-011R
RFS4000	5.4.2.0-030R
RFS6000	5.4.2.0-030R
RFS7000	5.4.2.0-030R
WS2000	2.4.5
WS5100	3.3.4
Wing5 RFS controllers	5.4.2.0-030R
* These AP and controller models may require adjustments to the OV3600 SNMP timeouts to compensate for known SNMP issues on these devices.	

### Other Third-Party Devices with Monitoring Support

This version of OV3600 supports monitoring for a variety of devices with software versions listed in the table below.



The firmware versions listed in the table below represents the latest firmware version verified as fully supported by OV3600 8.2.7.1. Informal testing shows that OV3600 supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

**Table 13: Other Supported Devices**

Device	Validated up to
BelAir 200	main.2005.03.29
Brocade ICX switches	08.0.20T211 and 08.0.30aT213
Ericsson APM-210 Access Point Modules	6.4.4.0-sp
Proxim AP-600/700	2.0 – 4.0.2
Proxim AP 2000/4000	2.0 – 4.0.2
Proxim Tsunami MP.11 QB 954-x, 2454-x, 4954-x, 5054-x	2.3.0 – 4.0.0
Siemens SCALANCE W1750D	6.5.0.0 - 4.3.0
Symbol 3021	04.01-23 – 04.02-19
Symbol 4121 and 4131	3.51-20 – 3.95-04
Symbol 5131/5181	1.1.0.0.045R – 2.5.0.0
Trapeze MXR-2, MXR-8, MXR-20, MXR-2xx, MX-400, MP-3x2, and MP-422	5.0.12.2 – 7.0.5.6
Tropos 3/4/5210/5320/9422/9532	5.1.4.7 – 6.6.1.3

## Other Switches

Some switches have additional support in OV3600:

### Alcatel-Lucent OmniSwitch™ (6250 and 6450)

- Automated discovery through SNMP
- Model & software version identification
- Stack information
- Firmware version 6.6.1.859.R01

### Brocade

- Automated discovery through SNMP
- Model & software version identification
- Firmware version 08.0.20T211 and 08.0.30aT213
- Stacking

### Force10

- Model & software version identification
- Firmware version 8.4.2.9