QuickSpecs

Overview

Aruba Instant On 1430 Switch Series

Technology brings new revenue opportunities, more effective communication, and improved productivity to businesses of all sizes. Yet it also poses daily challenges of configuration and maintenance, especially for small businesses who lack IT support. Small offices and home offices need reliable network connectivity that's fast, configuration-free, and affordable for even the most budget-strapped businesses.

The Aruba Instant On 1430 Switch Series is a plug-and-play unmanaged switch series for small businesses looking for simple, reliable, and low-cost network connectivity. These easy-to-use switches deliver Layer 2 Gigabit Ethernet switching capabilities — at an affordable price point — to help connect and share common resources like printers and access points, without any complicated network configuration. With plug-and-play operation, fully automated functions, zero ongoing maintenance, and Power over Ethernet (PoE) models, these switches deliver simple, reliable connectivity for the smallest SMBs and home offices.

The Aruba Instant On 1430 Switch Series includes seven switches in PoE and non-PoE configurations: one (1) 5-port, two (2) 8-port, two (2) 16-port, one (1) 24-port, and one (1) 26-port model with 2 SFP uplinks models. With the PoE models, you get up to 30W PoE per port power delivery for Class 4 PoE devices like access points, surveillance cameras and VoIP phones. The 8-port and 16-port PoE models come with the power budget of 64W and 124W respectively to support the latest IoT devices. All switches are fan-less, making them ideal for acoustically sensitive areas, and unmanaged requiring no configuration (not managed by Aruba Instant On management).



Aruba Instant On 1430 Switch Series Family

Key Features

- Unmanaged Layer 2 Gigabit Ethernet switch series ready to deploy in 5-, 8-, 16-, 24-, and 26-port models
- Up to 124W of PoE to power APs, IP Phones, and other IoT devices
- No configuration or management needed
- Plug-and-play with fully automated functions and zero ongoing maintenance
- Quality of Service (QoS) and flow control for improved network efficiency
- Fan-less with Energy Efficient Ethernet for low power consumption
- Class B certified for home office networks (5 and 8 port models)



Standard Features

Simplicity at its Best

- Plug-and-play switches that work right out of the box
- Zero configuration required

Reliable Connectivity

- Connect faster with Gigabit Ethernet speed
- PoE to power devices like APs and IP phones

We've Got You Covered

- Industry-leading limited lifetime warranty and support
- 24 x 7 chat support for entire warranty period

The Instant On Differentiators

Better Together

Aruba Instant On products work together to provide a seamless Wi-Fi experience. Wired and wireless voice traffic is prioritized with high QoS priority end-to-end for optimal voice performance.

Industry-Leading Support and Warranty

Expert-level support and industry-leading limited lifetime warranty are also included, along with chat support for the life of the product.

Plug-and-Play

Gigabit Ethernet speeds

Supports half/full-duplex auto-negotiating capability on access ports that doubles the throughput of every port.

Long Distance Fiber Connectivity

26-port model includes two 1G SFP fiber ports for uplinks and to support long distance connectivity using fiber transceivers, for a total of 28 Ethernet ports.

Simplified Cabling

Automatically adjusts for straight-through or crossover cables on all 10/100/1000 ports using Auto MDI/MDI-X.

Ethernet Alliance PSE Class 4 Poe Certification

Power Over Ethernet (PoE) functionality is supported on two 1430 models that provide up to 30 W per port, which allows support of Class 4 PoE or IEEE 802.3at-capable devices such as video IP phones, wireless access points, as well as any 15.4 W IEEE 802.3af compliant end device, thereby eliminating the need for additional electrical cabling and circuits.

EAPoL frames forwarding

802.1x EAP over LAN frames are forwarded through the switch so that clients can authenticate when the device gives connectivity between an authenticator and supplicants.

STP BPDU frames forwarding

The switch forwards the BPDU frames to make sure that Spanning Tree Protocol works correctly preventing loops in the topology.

Traffic Optimization

Prioritize Voice and Video

Quality of Service provides priority of time-sensitive packets (like VoIP and video) over other traffic based on DSCP or IEEE 802.1p classification.

Flow Control

Provides a flow-throttling mechanism propagated through the network to prevent packet loss at a congested node.



Standard Features

Jumbo Frame Support

Provides up to 9216 bytes frame size to improve the performance of large data transfers.

Warranty, Service and Support

Aruba Instant On Limited Lifetime Support provides 24X7 phone support for the first 90 days and chat support for the entire warranty period. Community support is included for the life of the product.

Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

Configuration Information

BTO Models

Rule#	Description	SKU
3	Aruba Instant On 1430 5G Switch	R8R44A
	 5 RJ-45 autosensing 10/100/1000 ports 	
	Aruba Instant On 1430 5G Switch	R8R44A
	No Localized Power Cord Selected	
3	Aruba Instant On 1430 8G Switch	R8R45A
	 8 RJ-45 autosensing 10/100/1000 ports 	
	Aruba Instant On 1430 8G Switch	R8R45A
	No Localized Power Cord Selected	
3	Aruba Instant On 1430 8G Class4 PoE 64W Switch	R8R46A
	 8 RJ-45 autosensing Class4 PoE 10/100/1000 ports 	
	Aruba Instant On 1430 8G Class4 PoE 64W Switch	R8R46A
	 C15 PDU Jumper Cord (NA/MEX/TW/JP) 	
	Aruba Instant On 1430 8G Class4 PoE 64W Switch	R8R46A
	 C15 PDU Jumper Cord (ROW) 	
	Aruba Instant On 1430 8G Class4 PoE 64W Switch	R8R46A
	 NEMA L6-20P Cord (NA/MEX/JP/TW) 	
	Aruba Instant On 1430 8G Class4 PoE 64W Switch	R8R46A
	 No Localized Power Cord Selected 	
3	Aruba Instant On 1430 16G Switch	R8R47A
	 16 RJ-45 autosensing 10/100/1000 ports 	
	• 1U - Height	
	Aruba Instant On 1430 16G Switch	R8R47A
	 C15 PDU Jumper Cord (NA/MEX/TW/JP) 	
	Aruba Instant On 1430 16G Switch	R8R47A
	C15 PDU Jumper Cord (ROW)	
	Aruba Instant On 1430 16G Switch	R8R47A
	NEMA L6-20P Cord (NA/MEX/JP/TW)	
	Aruba Instant On 1430 16G Switch	R8R47A
_	No Localized Power Cord Selected	222121
3	Aruba Instant On 1430 16G Class4 PoE 124W Switch	R8R48A
	 16 RJ-45 autosensing Class4 PoE 10/100/1000 ports 	
	• 1U - Height	
	Aruba Instant On 1430 16G Class4 PoE 124W Switch	R8R48A
	C15 PDU Jumper Cord (NA/MEX/TW/JP)	
	Aruba Instant On 1430 16G Class4 PoE 124W Switch	R8R48A
	C15 PDU Jumper Cord (ROW)	D0D/04
	Aruba Instant On 1430 16G Class4 PoE 124W Switch	R8R48A
	• NEMA L6-20P Cord (NA/MEX/JP/TW)	D0D/04
	Aruba Instant On 1430 16G Class4 PoE 124W Switch	R8R48A
7	No Localized Power Cord Selected Apple Instant On 1470 346 Switch	D0D/04
3	Aruba Instant On 1430 24G Switch	R8R49A
	• 24 RJ-45 autosensing 10/100/1000 ports	
	• 1U - Height	D0D/04
	Aruba Instant On 1430 24G Switch	R8R49A
	C15 PDU Jumper Cord (NA/MEX/TW/JP) Aruba Instant On 1/70 3/70 Switch	D0D/ 0A
	Aruba Instant On 1430 24G Switch	R8R49A
	C15 PDU Jumper Cord (ROW) Aruba Instant On 1430 24G Switch	
		R8R49A
	NEMA L6-20P Cord (NA/MEX/JP/TW) Aruba Instant On 1430 24G Switch	R8R49A
	Alaba ilistatii Ott 1400 240 Owilcii	101(49A

Configuration Information

C15 PDU Jumper Cord (NA/MEX/TW/JP) Aruba Instant On 1430 26G 2SFP Switch F	R8R50A
C15 PDU Jumper Cord (NA/MEX/TW/JP) Aruba Instant On 1430 26G 2SFP Switch F	R8R50A
	(0) (0) (1)
	R8R50A
C15 PDU Jumper Cord (ROW)	
	R8R50A
NEMA L6-20P Cord (NA/MEX/JP/TW) Aruba Instant On 1430 26G 2SFP Switch F	R8R50A
No Localized Power Cord Selected	KOKSUA
Configuration Rules	
Rule # Description	
The following Transceivers install into this switch:	
Aruba Instant On 1G SFP LC SX 500m OM2 MMF Transceiver	R9D16A
Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
3 – OCA Only: Required Custom Choice (Min1/Max1)	
 Switch/Router/Power Supply to PDU Power Cord - B2B in North America, Mexico, 	
Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)	
 Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO) 	
 High Volt Switch/Router/Power Supply to Wall Power Cord - B2E Option. (Offered only 	
in North America, Mexico, Taiwan, and Japan)	
No Power Cord - AC3 Option	
Notes: OCA Only Model Selection Form - Aruba > Instant On > Switches:	
Aruba Instant On 1430 Switch Series	
Transceivers	
SFP Transceivers	
Rule # Description	CIZLI
•	SKU
Aruba 1G SFP LC LX 10km SMF Transceiver	3KU R9D16A

Internal or External Power Supplies (Model Dependant)

Notes: Power Supplies included

Aruba Instant On 1430 5G Switch (R8R44A)		
I/O ports and slots	5 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
Physical Characteristics		
Dimensions	93(d) x 116(w) x 26(h) mm	
Weight	0.60 lb (0.27 kg)	
Processor and Memory	2Kb EEPROM; Packet buffer size: 1.0 Mb	
Performance		
100 Mb latency	< 3.81µSec	
1000 Mb latency	< 0.93 µSec	
Throughput (Mpps)	7.44 Mpps	
Capacity	10 Gbps	
MAC address table size	8192 entries	
Reliability MTBF (years)	525.8	
Environment		
Operating temperature	32°F to 104°F (0°C to 40°C)	
Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing	
Nonoperating/ storage	-40°F to 158°F (-40°C to 70°C) up to 15000 ft	
temperature		
Nonoperating/ storage relative	15% to 90% @ 149°F (65°C) non-condensing	
humidity		
Altitude	up to 10,000 ft (3 km)	
Acoustics	Fanless	
Electrical Characteristics		
Frequency	50Hz/60Hz	
AC voltage	100-240VAC	
Current	0.3A (12VDC - 1A)	
Maximum power rating	12W	
Idle power	1W	
PoE power	-	
Power Supply	External Power Adapter	
Safety	 EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825- 1:2014 Class 1 	
Emissions	• EN 55032:2015/ CISPR 32, Class B	
	• FCC CFR 47 Part 15: 2018, Class B	
	• CES-003, Class B	
	VCCI-32, Class B	
	• CNS 13438, Class B	
	• KS C 9832, Class B	
	AS/NZS CISPR 32, Class B	
Immunity	BS/EN 55035, CISPR 35, KS C 9835	
Generic	EN 55035, CISPR 35	
EN	EN/IEC 61000-4-2	
ESD	EN/IEC 61000-4-3	
Radiated	EN/IEC 61000-4-4	
EFT/Burst	EN/IEC 61000-4-5	
Surge	EN/IEC 61000-4-6	

Conducted	EN/IEC 61000-4-8
Power frequency magnetic field	EN/IEC 61000-4-11
Voltage dips and interruptions	EN/IEC 61000-3-2
Harmonics	EN /IEC 61000-3-3
Device Management	Unmanaged
Mounting	
Mounting positions and	Supports table-top mounting
supported racking	Supports wall-mounting with ports facing either up or down using base surface mounting holes
	Supports under-table mounting using base surface mounting holes
Transceivers	

Physical Characteristics Dimensions 1 Weight 1 Processor and Memory 1 Performance	3 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or iul; 1000BASE-T: full only 138(d) x 157(w) x 37(h) mm 1.30 lb (0.59 kg) 128Kb EEPROM; Packet buffer size: 2.0 Mb < 2.7 μSec < 1.80 μSec
Physical Characteristics Dimensions 1 Weight 1 Processor and Memory 1 Performance	100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 138(d) x 157(w) x 37(h) mm 1.30 lb (0.59 kg) 128Kb EEPROM; Packet buffer size: 2.0 Mb < 2.7 µSec < 1.80 µSec
Dimensions 1 Weight 1 Processor and Memory 1 Performance	1.30 lb (0.59 kg) 1.28Kb EEPROM; Packet buffer size: 2.0 Mb 4 2.7 µSec 4 1.80 µSec
Weight 1 Processor and Memory 1 Performance	1.30 lb (0.59 kg) 1.28Kb EEPROM; Packet buffer size: 2.0 Mb < 2.7 µSec < 1.80 µSec
Processor and Memory 1 Performance	128Kb EEPROM; Packet buffer size: 2.0 Mb < 2.7 μSec < 1.80 μSec
Performance	< 2.7 μSec < 1.80 μSec
	< 1.80 μSec
4.00 Mb. L. L	< 1.80 μSec
100 Mb latency	•
1000 Mb latency	
Throughput (Mpps)	11.90 Mpps
Capacity 1	16 Gbps
MAC address table size	3192 entries
Reliability MTBF (years)	416.2
Environment	
	32°F to 104°F (0°C to 40°C)
	15% to 95% @ 104°F (40°C) non-condensing
Nonoperating/ storage - temperature	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
-	15% to 90% @ 149°F (65°C) non-condensing
-	up to 10,000 ft (3 km)
	Fanless
Electrical Characteristics	unicos
	50Hz/60Hz
	100-240VAC
-	D.3A (12VDC - 1A)
	12W
	1.7W
PoE power -	
Power Supply	External Power Adapter
Safety	 EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed.

Emissions	• EN 55032:2015/ CISPR 32, Class B
	• FCC CFR 47 Part 15: 2018, Class B
	ICES-003, Class B
	VCCI-32, Class B
	• CNS 13438, Class B
	• KS C 9832, Class B
	AS/NZS CISPR 32, Class B
Immunity	BS/EN 55035, CISPR 35, KS C 9835
Generic	EN 55035, CISPR 35
EN	EN/IEC 61000-4-2
ESD	EN/IEC 61000-4-3
Radiated	EN/IEC 61000-4-4
EFT/Burst	EN/IEC 61000-4-5
Surge	EN/IEC 61000-4-6
Conducted	EN/IEC 61000-4-8
Power frequency magnetic field	EN/IEC 61000-4-11
Voltage dips and interruptions	EN/IEC 61000-3-2
Harmonics	EN /IEC 61000-3-3
Device Management Unmanaged	
Mounting	
Mounting positions and	Supports table-top mounting
supported racking	 Supports wall-mounting with ports facing either up or down using base surface mounting holes
	Supports under-table mounting using base surface mounting holes
Transceivers	

Aruba Instant On 1430 8G Class4 PoE 64W Switch (R8R46A)	
I/O ports and slots	8 RJ-45 autosensing 10/100/1000 Class 4 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
Physical Characteristics	
Dimensions	150(d) x 177(w) x 37(h) mm
Weight	1.70 lb (0.77 kg)
Processor and Memory	128Kb EEPROM; Packet buffer size: 2.0 Mb
Performance	
100 Mb latency	< 2.7 μSec
1000 Mb latency	< 1.80 μSec
Throughput (Mpps)	11.90 Mpps
Capacity	16 Gbps
MAC address table size	8192 entries
Reliability MTBF (years)	131.1
Environment	
Operating temperature	32°F to 104°F (0°C to 40°C)
Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
Nonoperating/ storage temperature	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Nonoperating/ storage relative humidity	15% to 90% @ 149°F (65°C) non-condensing
Altitude	up to 10,000 ft (3 km)
Acoustics	Fanless
Electrical Characteristics	
Frequency	50Hz/60Hz

AC voltage	100-240VAC
Current	2A (54VDC - 1.58A)
Maximum power rating	90W
Idle power	4.1W
PoE power	64W Class 4 PoE
Power Supply	External Power Adapter
Safety	• EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
	• EN/IEC 62368-1, 2nd. & 3rd. Ed.
	• UL 62368-1, 3rd. Ed.
	• CAN/CSA C22.2 No. 62368-1, 3rd. Ed.
	• EN/IEC 60825- 1:2014 Class 1
Emissions	• EN 55032:2015/ CISPR 32, Class B
	• FCC CFR 47 Part 15: 2018, Class B
	• ICES-003, Class B
	VCCI-32, Class B
	• CNS 13438, Class B
	• KS C 9832, Class B
	AS/NZS CISPR 32, Class B
Immunity	BS/EN 55035, CISPR 35, KS C 9835
Generic	EN 55035, CISPR 35
EN	EN/IEC 61000-4-2
ESD	EN/IEC 61000-4-3
Radiated	EN/IEC 61000-4-4
EFT/Burst	EN/IEC 61000-4-5
Surge	EN/IEC 61000-4-6
Conducted	EN/IEC 61000-4-8
Power frequency magnetic field	EN/IEC 61000-4-11
Voltage dips and interruptions	EN/IEC 61000-3-2
Harmonics	EN /IEC 61000-3-3
Device Management	Unmanaged
Mounting	
Mounting positions and	Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit
supported racking	included
	Supports table-top mounting
	Supports rack-mounting using the brackets provided
	 Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided
	Supports under-table mounting using the brackets provided
	Must be mounted top surface up. To prevent possible impact to long-term reliability,
	product should not be mounted upside-down
Transceivers	

International content	Aruba Instant On 1430 16G Switch (R8R47A)		
Dimensions 258(d) × 275(w) × 44(h) mm Weight 3.80 lb (0.172 kg) Processor and Memory 128Kb EEPROM, Packet buffer size: 2.0 Mb Performance 100 Mb latency 100 Mb latency < 1.80 μSec 1000 Mb latency < 1.80 μSec Throughput (Mpps) 23.80 Mpps Capacity 32 Gbps MAC address table size 81.92 entries Reliability MTBF (years) 26.98 Environment 22°F to 104°F (0°C to 40°C) Operating temperature 32°F to 104°F (40°C) non-condensing Nonoperating/ storage relative humidity 15% to 95% @ 104°F (40°C) non-condensing Nonoperating/ storage relative 15% to 90% @ 149°F (65°C) non-condensing Nonoperating/ storage relative 15% to 90% @ 149°F (65°C) non-condensing Acoustics Fanless Electrical Characteristics Frequency Frequency 50Hz/60Hz AC voltage 100-1270Ac (200-240VAC Current 0.240Ac Maximum power rating 7.9W Idle power 50F EN/EC 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 <	•	Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX:	
Weight 3.80 lb (01.72 kg)	-		
Performance 100 Mb latency < 2.7 μSec 100 Mb latency < 1.80 μSec 17 throughput (Mpps) 23.80 Mpps Capacity 32 Gbps MAC address table size 8192 entries Reliability MTBF Cyears) 209.8 Environment 23° to 10.4°F (0°C to 40°C) Operating relative humidity 15% to 95% @ 10.4°F (40°C) non-condensing Nonoperating/ storage relative humidity 15% to 90% @ 14.4°F (65°C) non-condensing Nonoperating/ storage relative humidity 15% to 90% @ 14.4°F (65°C) non-condensing Actitude up to 10,000 ft (3 km) Idle power 0.004,02.2A			
Performance 1.00 Mb latency < 2.7 μSec 1000 Mb latency < 1.80 μSec Throughput (Mpps) 23.80 Mpps Capacity 32 Cbps MAC address table size 8192 entries Reliability MTBF (years) 269 8 Environment Departing temperature Operating relative humidity 15% to 95% @ 10%°F (40°C non-condensing) Nonoperating/ storage 40°F to 158°F (-40°C to 70°C) up to 15000 ft temperature 15% to 90% @ 140°F (65°C) non-condensing Nonoperating/ storage relative humidity 15% to 90% @ 140°F (65°C) non-condensing Maximum post storage 40°F to 15.8°F (-40°C to 70°C) up to 15000 ft Electrical Characteristics Frequency Ac voltage 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 02A/0.2A Maximum power rating 7.9W Idle power 2.3W Power Supply • EN/EC 60°50· 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 Safety • EN/EC 60°50· 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/EC 60825 · 1:2014 Class A • EV/CC 32. Class A			
100 Mb latency < 2.7 μSec 1000 Mb latency < 1.80 μSec 170 μSec	Processor and Memory	128Kb EEPROM; Packet buffer size: 2.0 Mb	
1000 Mb latency			
Throughput (Mpps)	100 Mb latency	< 2.7 μSec	
Capacity 32 Gbps 8192 entries 8192 entries	1000 Mb latency	< 1.80 μSec	
MAC address table size 8192 entries Reliability MTBF (years) 269.8 Environment 32°F to 104°F (0°C to 40°C) Operating temperature 32°F to 104°F (40°C) non-condensing Nonoperating/ storage relative humidity 40°F to 158°F (-40°C) non-condensing Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Humidity 40°F 10 158°F (-40°C to 70°C) up to 15000 ft Acoustics Fanless Electrical Characteristics Fanless Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power Power Supply Safety Internal Power Supply Safety E.N/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 E. E.N/IEC 60952- 1:2014 Class 1 E.N/IEC 60952- 1:2014 Class 1 Emissions E.N/IEC 60952- 1:2014 Class 1 Emissions E.N/IEC 61000-4.3 (lass A E.C.ES-003, Class A<	Throughput (Mpps)	23.80 Mpps	
MAC address table size 8192 entries Reliability MTBF (years) 269.8 Environment 32°F to 104°F (0°C to 40°C) Operating temperature 32°F to 104°F (40°C) non-condensing Nonoperating/ storage relative humidity 40°F to 158°F (-40°C) non-condensing Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Humidity 40°F 10 158°F (-40°C to 70°C) up to 15000 ft Acoustics Fanless Electrical Characteristics Fanless Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power Power Supply Safety Internal Power Supply Safety E.N/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 E. E.N/IEC 60952- 1:2014 Class 1 E.N/IEC 60952- 1:2014 Class 1 Emissions E.N/IEC 60952- 1:2014 Class 1 Emissions E.N/IEC 61000-4.3 (lass A E.C.ES-003, Class A<	Capacity	32 Gbps	
Environment 32°F to 104°F (0°C to 40°C) Operating temperature 15% to 95% @ 104°F (40°C) non-condensing Nonoperating/ storage temperature -40°F to 158°F (-40°C to 70°C) up to 15000 ft Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Altitude up to 10,000 ft (3 km) Accoustics Fanless Electrical Characteristics Frequency AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power — Power Supply Internal Power Supply Safety EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 Emissions EN/IEC 60255- 1:2014 Class 1 Emissions EN/IEC 60255- 1:2014 Class 1 Emissions EN/S032, 2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ECS-003, Class A EVC CCF32, Class A EVC CCF32, Class A EV S C 9832, Class A EVC SO33, CISPR 35, KS C 9835 Generic EN 55035, CISPR 35, KS C 9835 Generic EN/IEC 61000-4-3 <th>• •</th> <th>·</th>	• •	·	
Environment 32°F to 104°F (0°C to 40°C) Operating temperature 15% to 95% @ 104°F (40°C) non-condensing Nonoperating/ storage temperature -40°F to 158°F (-40°C to 70°C) up to 15000 ft Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Altitude up to 10,000 ft (3 km) Accoustics Fanless Electrical Characteristics Frequency AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power — Power Supply Internal Power Supply Safety EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 Emissions EN/IEC 60255- 1:2014 Class 1 Emissions EN/IEC 60255- 1:2014 Class 1 Emissions EN/S032, 2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ECS-003, Class A EVC CCF32, Class A EVC CCF32, Class A EV S C 9832, Class A EVC SO33, CISPR 35, KS C 9835 Generic EN 55035, CISPR 35, KS C 9835 Generic EN/IEC 61000-4-3 <th>Reliability MTBF (years)</th> <th>269.8</th>	Reliability MTBF (years)	269.8	
Operating temperature 32°F to 104°F (0°C to 40°C) Operating relative humidity 15% to 95% @ 104°F (40°C) non-condensing Nonoperating/ storage relative humidity 40°F to 158°F (-40°C) or 0°C) up to 15000 ft Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Altitude up to 10,000 ft (3 km) Acoustics Fanless Electrical Characteristics Frequency Frequency 50Hz/60Hz AC voltage 100-127 VAC / 200- 240 VAC Current 02A/0.2A Maximum power rating 7,9W Idle power 2.3W Poper Supply Internal Power Supply Safety EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 60368-1, 2nd. & 3rd. Ed. U. & 62368-1, 3rd. Ed. EN/IEC 60825- 1:2014 Class 1 E Emissions EN/S032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A CCS-32, Class A EVC CFR 47 Part 15: 2018, Class A CNS 13438, Class A EVC CFR 50035, CISPR 35, CISPR 35, CISPR 35, CISPR 35 EN EN/S035, CISPR 35, CISPR 35, CISPR 35 EN <th></th> <th></th>			
Operating relative humidity 15% to 95% @ 104°F (40°C) non-condensing Nonoperating/ storage temperature -40°F to 158°F (-40°C to 70°C) up to 15000 ft Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Altitude up to 10,000 ft (3 km) Acoustics Fanless Electrical Characteristics Frequency Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power - Power Supply Internal Power Supply Safety € EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 E N/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. UL 62368-1, 3rd. Ed. EN/IEC 60825- 1:2014 Class 1 Emissions € EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ECES-003, Class A VCC1-32, Class A EXCP 5203, Class A EVC CFR 47 Part 15: 2018, Class A EXCP 5203, Class A EX SC 9832, Class A EXCP 9832, Class A EX SC 9832, Class A		32°F to 104°F (0°C to 40°C)	
Nonoperating/ storage temperature			
Monoperating/ storage relative Numidity 15% to 90% @ 149°F (65°C) non-condensing Numidity 15% to 90% @ 149°F (65°C) non-condensing Altitude up to 10,000 ft (3 km) Acoustics Faniless Electrical Characteristics Frequency AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power - Power Supply Internal Power Supply Safety EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. UL 62368-1, 3rd. Ed. UL 62368-1, 3rd. Ed. UL 62368-1, 3rd. Ed. EN/IEC 60825- 1:2014 Class 1 Emissions EN S5032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ECC CFR 47 Part 15: 2018, Class A EVCI-32, Class A EVCI-32, Class A EVCI-32, Class A EVCI-32, Class A EVEN SCOSS, CISPR 35, KS C 9835 Eneric EN S5035, CISPR 35, KS C 9835 Eneric EN SE035, CISPR 35, KS C 9835 Eneric		9	
Nonoperating/ storage relative humidity 15% to 90% @ 149°F (65°C) non-condensing Altitude up to 10,000 ft (3 km) Acoustics Fanless Electrical Characteristics Frequency Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 02A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power — Power Supply Internal Power Supply Safety • EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/IEC 62368-1, 2nd. & 3rd. Ed. • UL 62368-1, 3rd. Ed. • UL 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2014 Class 1 Emissions • EN 55032:2015/ CISPR 32, Class A • FCC CFR 47 Part 15: 2018, Class A • FCC CFR 47 Part 15: 2018, Class A • ICES-003, Class A • KS C 9832, Class A • KS C 9832, Class A • KS C 9832, Class A • KS C 9832, Class A • KS C 9835, CISPR 35, KS C 9835 Generic EN 55035, CISPR 35, KS C 9835 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-2 ESD		10 1 10 100 1 (10 0 10 70 0) up 10 10000 11	
Interiod up to 10,000 ft (3 km) Acoustics Fanless Electrical Characteristics Frequency Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power — Power Supply Internal Power Supply Safety • EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/IEC 62368-1, 2nd. & 3rd. Ed. • Ul. 62368-1, 3rd. Ed. • Ul. 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2014 Class 1 Emissions • EN 55032:2015/ CISPR 32, Class A • FCC CFR 47 Part 15: 2018, Class A • ICCS-003, Class A • ICC CFR 47 Part 15: 2018, Class A • CNS 13438, Class A • KS C 9832, Class A • KS C 9832, Class A • EN/IEC 50055, CISPR 35, ES C 9835 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-2 ESD EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5	-	15% to 90% @ 149°F (65°C) non-condensing	
Altitude up to 10,000 ft (3 km) Acoustics Fanless Electrical Characteristics Frequency Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power - Power Supply Internal Power Supply Safety EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 60368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. UL 62368-1, 3rd. Ed. EN/IEC 60825- 1:2014 Class 1 Emissions EN 5503:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A FCC CFR 47 Part 15: 2018, Class A VCCI-32, Class A CNS 13438, Class A VCCI-32, Class A CNS 13438, Class A EX C 9835, CISPR 35, KS C 9835 Generic EN 55035, CISPR 35, KS C 9835 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EFT/Burst EN/IEC 61000-4-5		20% to 70% @ 21771 (or o) not containing	
Acoustics Fanless Electrical Characteristics 50Hz/60Hz Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power - Power Supply Internal Power Supply Safety • EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/IEC 62368-1, 3rd. Ed. • UL 62368-1, 3rd. Ed. • UL 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2014 Class 1 EN/IEC 60825- 1:2014 Class 1 Emissions • EN 55032:2015/ CISPR 32, Class A • FCC CFR 47 Part 15: 2018, Class A • ICES-003, Class A • VCCI-32, Class A • VCCI-32, Class A • KS C 9832, Class A • KS C 9832, Class A • KS C 9832, Class A • KS C 9832, Class A • AS/NZS CISPR 35, KS C 9835 EN Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5	-	up to 10 000 ft (3 km)	
Frequency		·	
Frequency 50Hz/60Hz AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power − Power Supply Internal Power Supply Safety € EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 € EN/IEC 62368-1, 2nd, & 3rd, Ed. 0 UL 62368-1, 3rd, Ed. € UL 62368-1, 3rd, Ed. 0 EN/IEC 60825- 1:2014 Class 1 Emissions € EN 55032:2015/ CISPR 32, Class A € FCC CFR 47 Part 15: 2018, Class A 0 ICES-003, Class A € VCCI-32, Class A 0 KS C 9832, Class A € NS 13438, Class A 0 KS C 9832, Class A Immunity BS/EN 55035, CISPR 35, KS C 9835 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EFT/Burst EN/IEC 61000-4-5		T diffees	
AC voltage 100-127VAC / 200- 240VAC Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power - Power Supply Internal Power Supply Safety • EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/IEC 62368-1, 2rd. & 3rd. Ed. • UL 62368-1, 3rd. Ed. • UL 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2014 Class 1 Emissions • EN 55032:2015/ CISPR 32, Class A • FCC CFR 47 Part 15: 2018, Class A • FCC CFR 47 Part 15: 2018, Class A • VCCI-32, Class A • VCCI-32, Class A • VCCI-32, Class A • VCSI-32, Class A • KS C 9832, Class A • KS C 9832, Class A • AS/NZS CISPR 32, Class A • KS C 9835, CISPR 35, KS C 9835 Immunity BS/EN 55035, CISPR 35, KS C 9835 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EFT/Burst EN/IEC 61000-4-5		50Hz/60Hz	
Current 0.2A/0.2A Maximum power rating 7.9W Idle power 2.3W PoE power — Power Supply Internal Power Supply Safety • EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/IEC 62368-1, 2nd. & 3rd. Ed. • UL 62368-1, 3rd. Ed. • CAN/CSA C22.2 No. 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2014 Class 1 Emissions • EN 55032:2015/ CISPR 32, Class A • FCC CFR 47 Part 15: 2018, Class A • ICES-003, Class A • VCCI-32, Class A • VCCI-32, Class A • CNS 13438, Class A • KS C 9832, Class A • KS C 9832, Class A • AS/NZS CISPR 35, CISPR 35, CSPR 35 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EFT/Burst EN/IEC 61000-4-5			
Maximum power rating 7.9W Idle power 2.3W PoE power - Power Supply Internal Power Supply Safety • EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/IEC 62368-1, 2nd. & 3rd. Ed. • UL 62368-1, 3rd. Ed. • UL 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2014 Class 1 Emissions • EN 55032:2015/ CISPR 32, Class A • FCC CFR 47 Part 15: 2018, Class A • ICES-003, Class A • VCCI-32, Class A • VCCI-32, Class A • KS C 9832, Class A • KS C 9832, Class A • Immunity BS/EN 55035, CISPR 32, Class A Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EFT/Burst EN/IEC 61000-4-5	_		
Idle power 2.3W			
PoE power Supply Internal Power Supply Safety ● EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013			
Power Supply Internal Power Supply Safety ● EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 ● EN/IEC 62368-1, 2nd. & 3rd. Ed. ● UL 62368-1, 3rd. Ed. ● UL 62368-1, 3rd. Ed. ● CAN/CSA C22.2 No. 62368-1, 3rd. Ed. ● EN/IEC 60825- 1:2014 Class 1 ■ EN 55032:2015/ CISPR 32, Class A ● FCC CFR 47 Part 15: 2018, Class A ● ICES-003, Class A ● VCCI-32, Class A ● VCCI-32, Class A ● KS C 9832, Class A ● KS C 9832, Class A ● AS/NZS CISPR 32, Class A ● AS/NZS CISPR 35, KS C 9835 Immunity BS/EN 55035, CISPR 35, KS C 9835 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EFT/Burst EN/IEC 61000-4-5			
Safety • EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 • EN/IEC 62368-1, 2nd. & 3rd. Ed. • UL 62368-1, 3rd. Ed. • CAN/CSA C22.2 No. 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2014 Class 1 Emissions • EN 55032:2015/ CISPR 32, Class A • FCC CFR 47 Part 15: 2018, Class A • ICES-003, Class A • VCCI-32, Class A • KS C 9832, Class A • KS C 9832, Class A • AS/NZS CISPR 32, Class A • AS/NZS CISPR 35, KS C 9835 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EFT/Burst EN/IEC 61000-4-5	-		
 FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A AS/SOURCE EN 55035, CISPR 35, KS C 9835 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-5 EN/IEC 61000-4-5 		 EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. 	
Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5	Emissions	 FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A 	
EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5	Immunity	BS/EN 55035, CISPR 35, KS C 9835	
ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5	Generic	EN 55035, CISPR 35	
ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5	EN	EN/IEC 61000-4-2	
Radiated EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5	ESD	EN/IEC 61000-4-3	
EFT/Burst EN/IEC 61000-4-5	Radiated		
Surge ENVIEW OTATION	Surge	EN/IEC 61000-4-6	



Conducted	EN/IEC 61000-4-8
Power frequency magnetic field	EN/IEC 61000-4-11
Voltage dips and interruptions	EN/IEC 61000-3-2
Harmonics	EN /IEC 61000-3-3
Device Management	Unmanaged
Mounting	
Mounting positions and supported racking	 Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting using the brackets provided Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided Supports under-table mounting using the brackets provided Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down
Transceivers	

Aruba Instant On 1/30 160	Class4 PoE 124W Switch (R8R48A)
	16 RJ-45 autosensing 10/100/1000 Class 4 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE
I/O ports and slots	802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-
	T/100BASE-TX: half or full; 1000BASE-T: full only
Physical Characteristics	1/100BASE-1X: Nall Of Tull; 1000BASE-1: Tull Only
Dimensions	260(d) x 275(w) x 44(h) mm
Weight	4.60 lb (2.09 kg)
Processor and Memory	128Kb EEPROM; Packet buffer size: 2.0 Mb
Performance	
100 Mb latency	< 2.7 μSec
1000 Mb latency	< 1.80 μSec
Throughput (Mpps)	23.80 Mpps
Capacity	32 Gbps
MAC address table size	8192 entries
Reliability MTBF (years)	126.1
Environment	
Operating temperature	32°F to 104°F (0°C to 40°C)
Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
Nonoperating/ storage	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
temperature	
Nonoperating/ storage relative	15% to 90% @ 149°F (65°C) non-condensing
humidity	
Altitude	up to 10,000 ft (3 km)
Acoustics	Fanless
Electrical Characteristics	
Frequency	50Hz/60Hz
AC voltage	100-127VAC / 200- 240VAC
Current	1.7A /0.8A
Maximum power rating	147W
Idle power	5W
PoE power	124W Class 4 PoE
Power Supply	Internal Power Supply

Cafata	FN/15C (2050 4 200)
Safety	• EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
	• EN/IEC 62368-1, 2nd. & 3rd. Ed.
	• UL 62368-1, 3rd. Ed.
	• CAN/CSA C22.2 No. 62368-1, 3rd. Ed.
	• EN/IEC 60825- 1:2014 Class 1
Emissions	• EN 55032:2015/ CISPR 32, Class A
	• FCC CFR 47 Part 15: 2018, Class A
	ICES-003, Class A
	VCCI-32, Class A
	• CNS 13438, Class A
	• KS C 9832, Class A
	AS/NZS CISPR 32, Class A
Immunity	BS/EN 55035, CISPR 35, KS C 9835
Generic	EN 55035, CISPR 35
EN	EN/IEC 61000-4-2
ESD	EN/IEC 61000-4-3
Radiated	EN/IEC 61000-4-4
EFT/Burst	EN/IEC 61000-4-5
Surge	EN/IEC 61000-4-6
Conducted	EN/IEC 61000-4-8
Power frequency magnetic field	EN/IEC 61000-4-11
Voltage dips and interruptions	EN/IEC 61000-3-2
Harmonics	EN /IEC 61000-3-3
Device Management	Unmanaged
Mounting	
Mounting positions and supported racking	Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included
	Supports table-top mounting
	Supports rack-mounting using the brackets provided
	Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided
	 Supports under-table mounting using the brackets provided
	Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down
Transceivers	product should not be mounted applied down

Aruba Instant On 1430 24G Switch (R8R49A)			
I/O ports and slots	24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only		
Physical Characteristics			
Dimensions	225(d) x 340(w) x 44(h) mm		
Weight	4.20 lb (1.91 kg)		
Processor and Memory	128Kb EEPROM; Packet buffer size: 2.0 Mb		
Performance			
100 Mb latency	< 2.7 μSec		
1000 Mb latency	< 1.80 μ Sec		
Throughput (Mpps)	35.71 Mpps		
Capacity	48 Gbps		
MAC address table size	8192 entries		
Reliability MTBF (years)	199.5		

Environment			
Environment Operating temperature			
Operating temperature	32°F to 104°F (0°C to 40°C) 15% to 95% @ 104°F (40°C) non-condensing		
Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing -40°F to 158°F (-40°C to 70°C) up to 15000 ft		
Nonoperating/ storage	-40°F to 158°F (-40°C to 70°C) up to 15000 ft		
temperature	15% to 00% \(1 \ 0.05 \ (4 \ 0.05 \) non-condensity		
Nonoperating/ storage relative	15% to 90% @ 149°F (65°C) non-condensing		
humidity	. 1. 10 000 (1 (7)		
Altitude	up to 10,000 ft (3 km)		
Acoustics	Fanless		
Electrical Characteristics	50Hz/60Hz		
Frequency	50Hz/60Hz		
AC voltage	100-127VAC / 200- 240VAC		
Current	0.3A / 0.2A		
Maximum power rating	11.7W		
Idle power	3.2W		
PoE power			
Power Supply	Internal Power Supply		
Safety	• EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013		
	• EN/IEC 62368-1, 2nd. & 3rd. Ed.		
	• UL 62368-1, 3rd. Ed.		
	• CAN/CSA C22.2 No. 62368-1, 3rd. Ed.		
	• EN/IEC 60825- 1:2014 Class 1		
Emissions	• EN 55032:2015/ CISPR 32, Class A		
	• FCC CFR 47 Part 15: 2018, Class A		
	• ICES-003, Class A		
	VCCI-32, Class A		
	• CNS 13438, Class A		
	• KS C 9832, Class A		
	AS/NZS CISPR 32, Class A		
Immunity	BS/EN 55035, CISPR 35, KS C 9835		
Generic	EN 55035, CISPR 35		
EN	EN 55035, CISPR 35 EN/IEC 61000-4-2		
ESD	EN/IEC 61000-4-2 EN/IEC 61000-4-3		
Radiated	EN/IEC 61000-4-3 EN/IEC 61000-4-4		
EFT/Burst	EN/IEC 61000-4-4 EN/IEC 61000-4-5		
Surge	EN/IEC 61000-4-5 EN/IEC 61000-4-6		
Conducted	EN/IEC 61000-4-6		
Power frequency magnetic field	EN/IEC 61000 4 0		
Voltage dips and interruptions	EN/IEC 61000-4-11 EN/IEC 61000-3-2		
Harmonics	EN/IEC 61000-3-2 EN /IEC 61000-3-3		
Device Management	Unmanaged		
Mounting	Offinanagea		
Mounting positions and	Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit		
supported racking	included		
supported rucking	Supports table-top mounting		
	Supports rack-mounting using the brackets provided Supports well mounting with parts facing with as we are down using either the base.		
	Supports wall-mounting with ports facing either up or down using either the base surface mounting holes or the brackets provided.		
	surface mounting holes, or the brackets provided		
	Supports under-table mounting using the brackets provided And the control of the control o		
	Must be mounted top surface up. To prevent possible impact to long-term reliability,		
	product should not be mounted upside-down		

				•		
Т	ra	ns	ce	iv	eı	rs

Aruba Instant On 1430	26G 2SFP Switch (R8R50A)		
I/O ports and slots	26 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP 1GbE ports		
Physical Characteristics			
Dimensions	225(d) x 388(w) x 44(h) mm		
Weight	5.00 lb (2.27 kg)		
Processor and Memory	32Mb Flash; Packet buffer size: 12.0 Mb		
Performance			
100 Mb latency	< 5.21 μSec		
1000 Mb latency	> 2.90 µSec		
Throughput (Mpps)	41.68 Mpps		
Capacity	56 Gbps		
MAC address table size	16384 entries		
Reliability MTBF (years)	171.9		
Environment			
Operating temperature	32°F to 104°F (0°C to 40°C)		
Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing		
Nonoperating/ storage temperature	-40°F to 158°F (-40°C to 70°C) up to 15000 ft		
Nonoperating/ storage relative humidity	15% to 90% @ 149°F (65°C) non-condensing		
Altitude	up to 10,000 ft (3 km)		
Acoustics	Fanless		
Electrical Characteristics			
Frequency	50Hz/60Hz		
AC voltage	100-127VAC / 200- 240VAC		
Current	0.4A / 0.3A		
Maximum power rating	16.4W		
Idle power	8W		
PoE power	-		
Power Supply	Internal Power Supply		
Safety	 EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825- 1:2014 Class 1 		
Emissions	 EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A 		
Immunity	BS/EN 55035, CISPR 35, KS C 9835		
Generic	EN 55035, CISPR 35		
EN	EN/IEC 61000-4-2		
ESD	EN/IEC 61000-4-3		



Radiated	EN/IEC 61000-4-4		
EFT/Burst	EN/IEC 61000-4-5		
Surge	EN/IEC 61000-4-6		
Conducted	EN/IEC 61000-4-8		
Power frequency	EN/IEC 61000-4-11		
magnetic field			
Voltage dips and	EN/IEC 61000-3-2		
interruptions			
Harmonics	EN /IEC 61000-3-3		
Device Management	Unmanaged		
Mounting			
Mounting positions and	Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included		
supported racking	Supports table-top mounting		
	Supports rack-mounting using the brackets provided		
	 Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided 		
	Supports under-table mounting using the brackets provided		
	Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down		
Transceivers	Aruba 1G SFP LC LX 10km SMF Transceiver (J4859D)		
	Aruba Instant On 1G SFP LC SX 500m OM2 MMF Transceiver (R9D16A)		

General Protocols			
IEEE 802.3i	10 Mbps Ethernet		
IEEE 802.3u	100Base-T Ethernet		
IEEE 802.3z	1000 Mbps Ethernet		
IEEE 802.3ab	1000Base-T		
IEEE 802.3af PoE1 (PoE models only)			
IEEE 802.3at PoE1 (PoE models only)			
IEEE 802.3x Flow Control			
IEEE 802.3az	EE 802.3az Energy Efficient Ethernet		
RFC 2474	QoS diffserv (DSCP) mapping		

Summary of Changes

Date	Version History	Action	Description of Change
13-Sep-2022	Version 2	Changed	Configuration Information section was updated.
01-Aug-2022	Version 1	New	New QuickSpecs

Copyright

Make the right purchase decision. Contact our presales specialists.







© Copyright 2022 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

To learn more, visit: http://www.hpe.com/networking

a50004290enw - 16894 - Worldwide - V2 - 13-September-2022