QuickSpecs

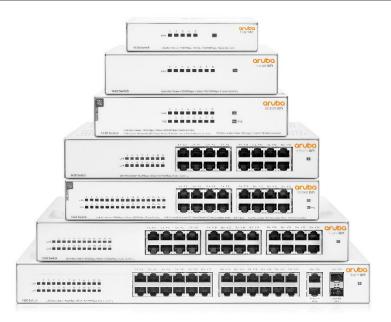
Overview

HPE Networking Instant On Switch 1430

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 HPE Networking Instant On Switch 1430 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 HPE Networking Instant On Switch 1430 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 HPE Networking Instant On management).



HPE Networking Instant On Switch 1430 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

HPE Networking 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

HPE Networking 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 İnstant 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)	202/21
	Aruba Instant On 1430 16G Switch	R8R47A
	C15 PDU Jumper Cord (ROW) A hardward On 1/70 1/6 Strick	DOD / 7.4
	Aruba Instant On 1430 16G Switch	R8R47A
	NEMA L6-20P Cord (NA/MEX/JP/TW) Analysis Instant On 1/70 1/6 Switch	D0D/74
	Aruba Instant On 1430 16G Switch	R8R47A
7	No Localized Power Cord Selected Aruba Instant On 1/70 14 C Class/ Pap 13/W/Switch	D0D/0A
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	DOD/ 0 A
		R8R48A
	C15 PDU Jumper Cord (NA/MEX/TW/JP) Aruba Instant On 1/70 14 C Class / PoF 13/W/Switch	DOD/ 0 A
	Aruba Instant On 1430 16G Class4 PoE 124W Switch • C15 PDU Jumper Cord (ROW)	R8R48A
	Aruba Instant On 1430 16G Class4 PoE 124W Switch	R8R48A
	NEMA L6-20P Cord (NA/MEX/JP/TW)	NON46A
	Aruba Instant On 1430 16G Class4 PoE 124W Switch	R8R48A
	No Localized Power Cord Selected	Kerkierk
3	Aruba Instant On 1430 24G Switch	R8R49A
	• 24 RJ-45 autosensing 10/100/1000 ports	
	• 1U - Height	
	Aruba Instant On 1430 24G Switch	R8R49A
	C15 PDU Jumper Cord (NA/MEX/TW/JP)	
	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

Configuration Information

Transco	1430 IOn Switch Series	SKU SOG20A
Notes:	 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 OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > IOn Switches: 	
3	HPE Networking Instant On 1G LX SFP LC 10km SMF Transceiver HPE Aruba Networking Instant On 1G SFP LC SX 500m OM2 MMF Transceiver HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver 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.	SOG2OA R9D16A J4859D
Rule #	Configuration Rules Description The following Transceivers install into this switch:	
	 C15 PDU Jumper Cord (ROW) Aruba Instant On 1430 26G 2SFP Switch NEMA L6-20P Cord (NA/MEX/JP/TW) Aruba Instant On 1430 26G 2SFP Switch No Localized Power Cord Selected 	R8R50A R8R50A
1, 3	Aruba Instant On 1430 26G 2SFP Switch • 26 RJ-45 autosensing 10/100/1000 ports • 2 SFP 100/1000 Mbps ports • min=0 \ max=2 SFP Transceivers • 1U - Height Aruba Instant On 1430 26G 2SFP Switch • C15 PDU Jumper Cord (NA/MEX/TW/JP) Aruba Instant On 1430 26G 2SFP Switch	R8R50A R8R50A R8R50A
	No Localized Power Cord Selected	D0550:

Internal or External Power Supplies (Model Dependant)

Notes: Power Supplies included

SP. 45 autosensing 10/10/01/2000 ports (EEE 80.23 Type 10RASE-T, EEE 80.24 Type 10RASE-T, EEE	Aruba Instant On 1430 5G Switch (R8R44A)		
Will 1000BASE-T: full only	I/O ports and slots		
Physical Characteristics Dimensions 93(d) x 116(w) x 26(h) mm Weight 060 b (0.27 kg) Processor and Memory 2 kb EEPROM, Packet buffer size: 1.0 Mb Performance 100 Mb latency 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 20°F to 104°F (0°C to 40°C) Operating temperature 32°F to 104°F (0°C to 40°C) Operating relative humidity 10 % 5% g 104°F (40°C) non-condensing Nonoperating/ storage relative 15% to 95% g 104°F (65°C) non-condensing Nonoperating/ storage relative 15% to 95% g 104°F (65°C) non-condensing Nonoperating/ storage relative 15% to 95% g 104°F (65°C) non-condensing Nonoperating/ storage relative 15% to 95% g 104°F (65°C) non-condensing Nonoperating/ storage relative 15% to 95% g 104°F (65°C) non-condensing Nonoperating/ storage relative 15% to 95% g 104°F (65°C) Nonoperating/ storage relative 15% to 95% g 104°F (65°C) Nonoperating/ storage relative			
Dimensions 95(d) x 1146(w) x 26(h) mm Weight 0.80 lb (0.27 kg) Processor and Memory 2Kb EEPROM, Packel buffer size: 1.0 Mb Performance .00 Mb latency 100 Mb latency 3.81 μSec 100 Mb latency 7.44 Mpps Capacity 10 Gbps MAC address table size 8192 entries Reliability MTBF (years) 52.8 Environment .22°F to 104°F (0°C to 40°C) Operating relative humidity 15% to 95% @ 104°F (40°C to 70°C) up to 15000 ft Coperating relative humidity 15% to 95% @ 149°F (65°C) non-condensing Nonoperating/ storage relative 40°F to 158°F (-40°C to 70°C) up to 15000 ft Remperature 15% to 95% @ 149°F (65°C) non-condensing Nonoperating/ storage relative ps 10000 ft (3 km) Accostics Fonless Electrical Characteristics .25% to 95% @ 149°F (65°C) non-condensing Frequency 50Hz/60Hz AC voltage 100-2460/Mc Current 13X (12VDC - 1A) Maximum power rating 12W Uele power EN/EC 602368-1, 2nd. 8 3rd. Ed.	Blandard Characterists	tull; 1000BASE-T: tull only	
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Acoustics Fanless Electrical Characteristics 50Hz/60Hz 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 63368-1, 2nd. & 3rd. Ed. • UL 62368-1, 3rd. Ed. • EN/IEC 60825 - 1:2018 • EN/IEC 60825 - 1:2018 Emissions • EN 55032:2015/ CISPR 32, Class B • CCS-003, Class B • CCS-003, Class B • CCS-003, Class B • CNS 13438, Class B • CS 9832, Class B • CNS 13438, Class B • KS C 9832, Class B • AS/NZS 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		up to 10,000 ft (3 km)	
Frequency 50Hz/60Hz AC voltage 100-240VAC Current 03A (12VDC - 1A) Maximum power rating 12W PoE power 1W PoE power		·	
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. • UL 62368-1, 3rd. Ed. • EN/IEC 60825 - 1:2018 Emissions • EN/S5032:2015/ CISPR 32, Class B • FCC CFR 47 Part 15: 2018, Class B • CES-003, Class B • VCCI-32, Class B • VCCI-32, Class B • KS C 9832, Class B • KS C 9832, Class B • Maximum power rating 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 difficus	
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. • UL 62368-1, 3rd. Ed. • EN/IEC 6025- 1:2018 Emissions • EN/55032:2015/ CISPR 32, Class B • FCC CFR 47 Part 15: 2018, Class B • CES-003, Class B • VCCI-32, Class B • VCCI-32, Class B • KS C 9832, Class B • KS C 9832, Class B • Maximum power rating 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		50Hz/60Hz	
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- 1:2018 Emissions • EN 55032:2015/ CISPR 32, Class B • FCC CFR 47 Part 15: 2018, Class B • CES-003, Class B • CCS-32, Class B • CNS 13438, Class B • CNS 13438, Class B • KS C 9832, Class B • KS C 9832, Class B • AS/NZS CISPR 32, Class B Immunity BS/EN 55035, CISPR 35, KS C 9835 Generic EN 55003, 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 12W Idle power	-		
Idle power	Maximum power rating		
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. • UL 62368-1, 3rd. Ed. • EN/IEC 60825- 1:2018 Emissions • EN 55032:2015/ CISPR 32, Class B • FCC CFR 47 Part 15: 2018, Class B • CES-003, Class B • VCCI-32, Class B • KS C 9832, Class B • KS C 9832, Class B • KS C 9832, Class B • KS C 9832, Class B • KS C 9835, 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		1W	
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- 1:2018 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 ■ AS/NZS CISPR 35, KS C 9835 ■ 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	PoE power	-	
 EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825- 1:2018 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 CNS 13438, Class B KS C 9832, Class B AS/NZS CISPR 32, Class B AS/NZS CISPR 35, KS C 9835 EN EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-5 EN/IEC 61000-4-5 	Power Supply	External Power Adapter	
 UL 62368-1, 3rd. Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2018 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 AS/NZS CISPR 35, KS C 9835 EN 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 	Safety	• EN/IEC 60950- 1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013	
 CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825- 1:2018 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 KS C 9832, Class B AS/NZS CISPR 32, Class B AS/NZS CISPR 35, KS C 9835 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5 EN/IEC 61000-4-5 		• EN/IEC 62368-1, 2nd. & 3rd. Ed.	
 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 AS/NZS CISPR 35, KS C 9835 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 		• UL 62368-1, 3rd. Ed.	
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 61000-4-5 EFT/Burst EN/IEC 61000-4-5		• CAN/CSA C22.2 No. 62368-1, 3rd. Ed.	
 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 AS/NZS CISPR 35, KS C 9835 Generic EN 55035, CISPR 35 EN EN/IEC 61000-4-2 ESD EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5 		• EN/IEC 60825- 1:2018	
 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 AS/SOURCE STATE ST	Emissions	• EN 55032:2015/ CISPR 32, 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 Mumunity 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 EN/IEC 61000-4-5 			
 VCCI-32, Class B CNS 13438, Class B KS C 9832, Class B AS/NZS CISPR 32, Class B Mumunity 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 EN/IEC 61000-4-5 		·	
 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 61000-4-6 EN/IEC 61000-4-5 EN/IEC 61000-4-5 			
 ■ 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 61000-4-6 ET/Burst EN/IEC 61000-4-5 			
● 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			
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			
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	Immunity		
ESD EN/IEC 61000-4-3 Radiated EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5			
Radiated EN/IEC 61000-4-4 EFT/Burst EN/IEC 61000-4-5	EN		
EFT/Burst EN/IEC 61000-4-5	ESD	EN/IEC 61000-4-3	
	Radiated	EN/IEC 61000-4-4	
Surge EN/IEC 61000-4-6	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 S	
I/O ports and slots	8 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	138(d) x 157(w) x 37(h) mm
Weight	1.30 lb (0.59 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)	416.2
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 95% @ 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	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.
	 EN/IEC 60825- 1:2018
	1. 1, 12 30020 1.2010

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	-40°F to 158°F (-40°C to 70°C) up to 15000 ft	
temperature		
Nonoperating/ storage relative	15% to 95% @ 149°F (65°C) non-condensing	
humidity		
Altitude	up to 10,000 ft (3 km)	
Acoustics	Fanless	
Electrical Characteristics	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- 1:2018
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,
Transacirana	product should not be mounted upside-down
Transceivers	

Aruba Instant On 1430 16G Switch (R8R47A)		
I/O ports and slots	16 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	0.50(1) 0.55(2) 11(1)	
Dimensions	258(d) x 275(w) x 44(h) mm	
Weight	3.80 lb (01.72 kg)	
Processor and Memory	128Kb EEPROM; Packet buffer size: 2.0 Mb	
Performance	27.6	
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)	269.8	
Environment	7005 + 10705 (000 + 7000)	
Operating temperature	32°F to 104°F (0°C to 40°C)	
Operating relative humidity Nonoperating/ storage	15% to 95% @ 104°F (40°C) non-condensing -40°F to 158°F (-40°C to 70°C) up to 15000 ft	
	-40°F 10 158°F (-40°C 10 70°C) up 10 15000 ff	
temperature Nonoperating/ storage relative	15% to 95% @ 149°F (65°C) non-condensing	
humidity	15% 10 95% @ 149 F (05 C) 11011-condensing	
Altitude	up to 10,000 ft (3 km)	
Acoustics	Fanless	
Electrical Characteristics	I diliess	
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.	
	• CAN/CSA C22.2 No. 62368-1, 3rd. Ed.	
	• EN/IEC 60825- 1:2018	
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	
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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 1430 16G Class4 PoE 124W Switch (R8R48A)		
I/O ports and slots	16 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-	
Dhysical Characteristics	T/100BASE-TX: half or full; 1000BASE-T: full only	
Physical Characteristics	2/0(1) - 275() - //(1)	
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 95% @ 149°F (65°C) non-condensing	
humidity Altitude	up to 10,000 ft (3 km)	
Acoustics	Fanless	
Electrical Characteristics	1 dilicss	
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	
. onc. supply	meman one cappy	

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- 1:2018
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	

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 μSec		
Throughput (Mpps)	35.71 Mpps		
Capacity	48 Gbps		
MAC address table size	8192 entries		
Reliability MTBF (years)	199.5		

Environment				
Operating temperature	32°E to 104°E (0°C to 40°C)			
	32°F to 104°F (0°C to 40°C)			
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 05% @ 1/0°F (45°C) non-condensing			
Nonoperating/ storage relative	15% to 95% @ 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	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			
Salety				
	• EN/IEC 62368-1, 2nd. & 3rd. Ed.			
	• UL 62368-1, 3rd. Ed.			
	• CAN/CSA C22.2 No. 62368-1, 3rd. Ed.			
	• EN/IEC 60825- 1:2018			
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				
ESD	EN/IEC 61000-4-2			
	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			
	product should not be modified apside-down			

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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 95% @ 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 60825-1:2018 			
Emissions	 EN/IEC 60825- 1:2018 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	 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	Energy Efficient Ethernet	
RFC 2474	QoS diffserv (DSCP) mapping	

Summary of Changes

Date	Version History	Action	Description of Change
01-Apr-2024	Version 7	Changed	Configuration Information section was updated.
04-Dec-2023	Version 6	Changed	Series name was updated.
20-Mar-2023	Version 5	Changed	Configuration Information section was updated.
12-Dec-2022	Version 4	Changed	Configuration Information section was updated.
07-Nov-2022	Version 3	Changed	Technical Specifications section was updated.
13-Sep-2022	Version 2	Changed	Configuration Information section was updated.
01-Aug-2022	Version 1	New	New QuickSpecs

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