

Technical Specifications

Specifications			
	Aruba 6100 48G Class4 PoE 4SFP+ 370W Switch (JL675A))	Aruba 6100 48G 4SFP+ Switch (JL676A)	Aruba 6100 24G Class4 PoE 4SFP+ 370W Switch (JL677A)
Description	48x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x USB Type-A Host port	48x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports 1x USB-C Console Port 1x USB Type-A Host port	24x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x USB Type-A Host port
Power supplies	Fixed power supply (500W) Up to 370W of Class 4 PoE Power	Fixed power supply (65W)	Fixed power supply (500W) Up to 370W of Class 4 PoE Power
Fans	Fixedfans	Fixed fans	Fixed fans
Physical characteristics			
Dimensions	(H) 4.39 cm (W) 44.2 cm (D) 30.48 cm (1.73" x 17.4" x 12.0")	(H) 4.39 cm (W) 44.2 cm (D) 24.74 cm (1.73" x 17.4" x 9.74")	(H) 4.39 cm (W) 44.2 cm (D) 26.82 cm (1.73" x 17.4" x 10.56")
Configuration Weight	5.02 kg (11.07 lbs)	3.42 kg (7.54 lbs)	4.19kg (9.24 lbs)
Additional Specifications			
CPU	Dual Core ARM Cortex A9 @ 1016 Mhz	Dual Core ARM Cortex A9 @ 1016 Mhz	Dual Core ARM Cortex A9 @ 1016 Mhz
Memory and Flash	4 GB DDR3 16 GB eMMC	4 GB DDR3 16 GB eMMC	4 GB DDR3 16 GB eMMC
Packet Buffer	12.38MB (4.5MB Ingress/7.875MB Egress)	12.38MB (4.5MB Ingress/7.875MB Egress)	12.38MB (4.5MB Ingress/7.875MB Egress)
Performance			
Model Switching Capacity	176 Gbps	176 Gbps	128 Gbps
Model Throughput Capacity	98.6 Mpps	98.6 Mpps	95.2 Mpps
Average Latency (LIFO 64-bytes packets)	1 Gbps: 1.9µSec , 10 Gbps: 1.8 µSec	1 Gbps: 1.9µSec , 10 Gbps: 1.8 µSec	1 Gbps: 1.5µSec , 10 Gbps: 1.8 µSec
Switched Virtual Interfaces (dual stack)	16	16	16
IPv4 Host Table (ARP)	1,024	1,024	1,024
IPv6 Host Table (ND)	512	512	512
IPv4 Unicast Routes	512	512	512
IPv6 Unicast Routes	512	512	512
MAC Table Capacity	8,192	8,192	8,192
IGMP Groups	512	512	512
MLD Groups	512	512	512
IPv4/IPv6/MAC ACL Entries (ingress)	256 / 128 / 256	256 / 128 / 256	256 / 128 / 256



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Environment			
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft (1.5 km) derate -1°C for every 1000 ft (305 m) from 5000 ft (1.5 km) to 10000 ft (3.0 km)	32°F to 113°F (0°C to 45°C) up to 5000 ft (1.5 km) derate -1°C for every 1000 ft (305 m) from 5000 ft (1.5 km) to 10000 ft (3.0 km)	32°F to 113°F (0°C to 45°C) up to 5000 ft (1.5 km) derate -1°C for every 1000 ft (305 m) from 5000 ft (1.5 km) to 10000 ft (3.0 km)
Operating Relative Humidity	15% to 95% at 104°F (40°C) non-condensing	15% to 95% at 104°F (40°C) non-condensing	15% to 95% at 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft (4.6 km)	-40°F to 158°F (-40°C to 70°C) up to 15000 ft (4.6 km)	-40°F to 158°F (-40°C to 70°C) up to 15000 ft (4.6 km)
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing	15% to 90% @ 149°F (65°C) non-condensing	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10000 feet (3 km) Max	10000 feet (3 km) Max	10000 feet (3 km) Max
Max NonOperating Altitude	15000 feet (4.6 km) Max	15000 feet (4.6 km) Max	15000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.3 Be Sound Pressure, LpAm (Bystander)= 29.8 dB	Sound Power, LWAd = 3.6 Be Sound Pressure, LpAm (Bystander)= 24.6 dB	Sound Power, LWAd = 3.9 Be Sound Pressure, LpAm (Bystander)= 24.3 dB
Primary Airflow	Side-to-side	Side-to-side	Side-to-side
Electrical Characteristics			
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
AC Voltage	100-127 VAC / 200-240 VAC	100-127 VAC / 200-240 VAC	100-127 VAC / 200-240 VAC
Current	4.9 A / 2.4 A	0.8 A / 0.5 A	4.6 A / 2.3 A
Power Consumption (230 VAC)	Idle: 30.6W Max Power (w/o PoE): 45W Max Power (w/ PoE): 480W	Idle: 20.6W Max Power (w/o PoE): 44.2W	Idle: 22.9W Max Power (w/o PoE): 32.7W Max Power (w/ PoE): 455W
Safety	IEC / EN 62368-1: 2014 IEC / EN 62368-1: 2018 UL 62368-1: 2014, 2nd Ed., CSA C22.2 No. 623681:14, 2nd Ed.,	IEC / EN 62368-1: 2014 IEC / EN 62368-1: 2018 UL 62368-1: 2014, 2nd Ed., CSA C22.2 No. 623681:14, 2nd Ed.,	IEC / EN 62368-1: 2014 IEC / EN 62368-1: 2018 UL 62368-1: 2014, 2nd Ed. CSA C22.2 No. 623681:14, 2nd Ed.,
Emissions	VCCI-CISPR 32, Class A CNS 15936, Class A FCC CFR 47 Part 15, Class A EN 55032:2015 / A11:2020 / CISPR-32, Class A ICES-003 Issue 7: 2020, Class A AS/NZS CISPR 32: 2015, Class A	VCCI-CISPR 32, Class A CNS 15936, Class A FCC CFR 47 Part 15, Class A EN 55032:2015 / A11:2020 / CISPR-32, Class A ICES-003 Issue 7: 2020, Class A AS/NZS CISPR 32: 2015, Class A	VCCI-CISPR 32, Class A CNS 15936, Class A FCC CFR 47 Part 15, Class A EN 55032:2015 / A11:2020 / CISPR-32, Class A ICES-003 Issue 7: 2020, Class A AS/NZS CISPR 32: 2015, Class A



Technical Specifications

	Aruba 6100 48G Class4 PoE 4SFP+ 370W Switch (JL675A))	Aruba 6100 48G 4SFP+ Switch (JL676A)	Aruba 6100 24G Class4 PoE 4SFP+ 370W Switch (JL677A)
Lasers	IEC / EN 60825-1:2014, Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories Optical Transceivers only)	IEC / EN 60825-1:2014, Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories Optical Transceivers only)	IEC / EN 60825-1:2014, Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories Optical Transceivers only)
Immunity			
Generic	CISPR 35: 2016	CISPR 35: 2016	CISPR 35: 2016
EN	EN 55035:2017 / A11:2020	EN 55035:2017 / A11:2020	EN 55035:2017 / A11:2020
ESD	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6
Powerfrequency magnetic field	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11
Harmonics	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2
Flicker	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3
Mounting and Enclosure	Mounts in an EIA standard 19inch telco rack or equipment cabinet (rack mounting kit included); horizontal surface mounting; wall mounting.		



Technical Specifications

Specifications (continued)		
	Aruba 6100 24G 4SFP+ Switch (JL678A)	Aruba 6100 12G Class4 PoE 2G/2SFP+ 139W Switch (JL679A)
Description	24x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports 1x USB-C Console Port 1x USB Type-A Host port	12x ports 10/100/1000BASE-T Ports 2x 1G/10G SFP ports 2x 1GbE ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x USB Type-A Host port
Power supplies	Fixed power supply (65W)	Fixed power supply (165W) Up to 139W of Class 4 PoE Power
Fans	Fixed fans	Fanless
Physical characteristics		
Dimensions	(H) 4.39 cm (W) 44.2 cm (D) 20.12 cm (1.73" x 17.4" x 7.92")	(H) 4.39 cm (W) 25.4 cm (D) 25.5 cm (1.73" x 10.0" x 10.04")
Configuration Weight	2.62 kg (5.78 lbs)	2.78 kg (6.13 lbs)
Additional Specifications		
CPU	Dual Core ARM Cortex A9 @ 1016 Mhz	Dual Core ARM Cortex A9 @ 1016 Mhz
Memory and Flash	4 GB DDR3 16 GB eMMC	4 GB DDR3 16 GB eMMC
Packet Buffer	12.38MB (4.5MB Ingress/7.875MB Egress)	12.38MB (4.5MB Ingress/7.875MB Egress)
Performance		
Model Switching Capacity	128 Gbps	68 Gbps
Model Throughput Capacity	95.2 Mpps	45.1 Mpps
Average Latency (LIFO 64-bytes packets)	1 Gbps: 1.5µSec , 10 Gbps: 1.8µSec	1 Gbps: 2.3µSec , 10 Gbps: 2.6µSec
Switched Virtual Interfaces (dualstack)	16	16
IPv4 Host Table (ARP)	1,024	1,024
IPv6 Host Table (ND)	512	512
IPv4 Unicast Routes	512	512
IPv6 Unicast Routes	512	512
MAC Table Capacity	8,192	8,192
IGMP Groups	512	512
MLD Groups	512	512
IPv4/IPv6/MAC ACL Entries (ingress)	256 / 128 / 256	256 / 128 / 256
Environment		
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft (1.5 km) derate 1°C for every 1000 ft (305 m) from 5000 ft (1.5 km) to 10000 ft (3.0 km)	32°F to 113°F (0°C to 45°C) up to 5000 ft (1.5 km) derate 1°C for every 1000 ft (305 m) from 5000 ft (1.5 km) to 10000 ft (3.0 km)
Operating Relative Humidity	15% to 95% at 104°F (40°C) noncondensing	15% to 95% at 104°F (40°C) noncondensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft (4.6 km)	-40°F to 158°F (-40°C to 70°C) up to 15000 ft (4.6 km)
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) noncondensing	15% to 90% @ 149°F (65°C) noncondensing
Max Operating Altitude	10000 feet (3 km) Max	10000 feet (3 km) Max
Max NonOperating Altitude	15000 feet (4.6 km) Max	15000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 3.9 Bel Sound Pressure, LpAm (Bystander) = 20.9 dB	Sound Power, LWAd = 0 Bel Sound Pressure, LpAm (Bystander) = 0 dB
Primary Airflow	Side-to-side	-



Technical Specifications

	Aruba 6100 24G 4SFP+ Switch (JL678A)	Aruba 6100 12G Class4 PoE 2G/2SFP+ 139W Switch (JL679A)
Electrical Characteristics		
Frequency	50 / 60 Hz	50 / 60 Hz
AC Voltage	100-127 VAC / 200-240 VAC	100-127 VAC / 200-240 VAC
Current	0.6 A / 0.4 A	1.8 A / 0.9 A
Power Consumption (230 VAC)	Idle: 15.4W Max Power (w/o PoE): 33W	Idle: 16W Max Power (w/o PoE): 21.9W Max Power (w/ PoE): 170W
Safety	IEC / EN 62368-1: 2014 IEC / EN 62368-1: 2018 UL 62368-1: 2014, 2nd Ed., CSA C22.2 No. 623681:14, 2nd Ed.	IEC / EN 62368-1: 2014 IEC / EN 62368-1: 2018 UL 62368-1: 2014, 2nd Ed., CSA C22.2 No. 623681:14, 2nd Ed.
Emissions	VCCI-CISPR 32, Class A CNS 15936, Class A FCC CFR 47 Part 15, Class A; EN 55032:2015 / A11:2020 / CISPR32, Class A ICES-003 Issue 7: 2020, Class A AS/NZS CISPR 32: 2015, Class A	VCCI-CISPR 32, Class A CNS 15936, Class A FCC CFR 47 Part 15, Class A; EN 55032:2015 / A11:2020 / CISPR32, Class A ICES-003 Issue 7: 2020, Class A AS/NZS CISPR 32: 2015, Class A
Lasers	IEC / EN 60825-1:2014, Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories/Optical Transceivers only)	IEC / EN 60825-1:2014, Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories/Optical Transceivers only)
Immunity		
Generic	CISPR 35: 2016	CISPR 35: 2016
EN	EN 55035:2017 / A11:2020	EN 55035:2017 / A11:2020
ESD	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11
Harmonics	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2
Flicker	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3
Mounting and Enclosure		
	Mounts in an EIA standard 19inch telco rack or equipment cabinet (rack mounting kit included); horizontal surface mounting; wall mounting.	Mounts in an EIA standard 19inch telco rack or equipment cabinet (rack mounting kit included); horizontal surface mounting; wall mounting; Kensington Security Slot



Technical Specifications

Aruba 6100 48G CL4 4SFP+ 740W Sw(R9Y04A)	
Specifications	
Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports Supports PoE Standards IEEE 802.3af, 802.3at 4x 1/10G SFP Ports 1x USB-C console port 1x USB Type-A Host port
Power supplies	Fixed power supply (950 W)
Fans	Fixed fans
Physical characteristics	
Dimensions	(H) 4.39 cm x (W) 44.25 cm x (D) 32.42 cm (1.73" x 17.42" x 12.77")
Configuration Weight	4.7 kg (10.36 lbs)
Additional Specifications	
CPU	Dual Core ARM Cortex™ A9 @ 1016 MHz
Memory and Flash	4 GB DDR3 16GB eMMC 128 MB Flash ROM
Packet Buffer	12.38MB and 4.5MB Ingress/7.875MB Egress
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	98.6 Mpps
Average Latency(LIFO-64-bytes packets)	1Gbps: 1.9µs 10Gbps: 1.8µs
Switched Virtual Interfaces (dual stack)	16
IPv4 Host Table (ARP)	1,024
IPv6 Host Table (ND)	512
IPv4 Unicast Routes	512
IPv6 Unicast Routes	512
MAC Table Capacity	8,192
IGMP Groups	512
MLD Groups	512
IPv4/IPv6/MAC ACL Entries (ingress)	256/128/256
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft derate 1°C for every 1000 ft from 5000 ft to 10000 ft
Operating Relative Humidity	5% to 95% at 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	5% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10000 feet (3 km) Max
Max Non-Operating Altitude	15000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.95 Bel Sound Pressure, LpAm (Bystander) = 35.91 dB
Primary Airflow	Side-to-side



Technical Specifications

Electrical Characteristics	
Frequency	50 / 60 Hz
AC Voltage	100-127 VAC / 200-240 VAC
Current	9.2 A / 4.9 A
Power Consumption (230 VAC)	Idle: 37.5W Max Power (w/o PoE): 49.7W Max Power (w/ PoE): 890W
Safety	IEC / EN 62368-1: 2014 IEC / EN 62368-1: 2018 UL 62368-1: 2014, 2nd Ed., CSA C22.2 No. 623681:14, 2nd Ed.,
Emissions	VCCI-CISPR 32, Class A CNS 15936, Class A FCC CFR 47 Part 15, Class A; EN 55032:2015 / A11:2020 / CISPR32, Class A ICES-003 Issue 7: 2020, Class A AS/NZS CISPR 32: 2015, Class A
Lasers	IEC / EN 60825-1:2014, Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories- Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 / A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
Mounting and Enclosure	Mounts in an EIA standard 19-inch telco rack or equipment cabinet (rack mounting kit available); horizontal surface mounting; wall mounting

