

JL683A Datasheet

Los conmutadores Aruba Instant On 1930 son conmutadores Gigabit con gestión inteligente avanzada y configuración fija, diseñados para pequeñas empresas. Son fáciles de desplegar y asequibles. Capaces de manejar aplicaciones que requieren un gran ancho de banda, como las videoconferencias, la voz y el vídeo, ofrecen una conectividad optimizada que aumenta el rendimiento. Con la aplicación móvil Instant On o el portal web basado en la nube, puedes configurar, supervisar y gestionar rápidamente los conmutadores de la serie 1930 desde cualquier lugar y en cualquier momento.

Especificaciones

| Modelo | Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 195W Switch (JL683A) |
|--------------------------|---|
| I/O ports and slots | 24 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 4 SFP+ 1/10GbE ports |
| Physical Characteristics | |
| Dimensions | 17.42(w) x 10.42(d) x 1.73(h) in (44.25 x 26.47 x 4.39 cm) (1U height) |
| Weight | 7.71 lb (3.50 kg) |
| Processor and memory | |
| | ARM Cortex-A9 @ 800 MHz, 512 MB SDRAM, 256 MB flash; packet buffer: 1.5 MB |
| Performance | |
| 100 Mb Latency | < 4.7 uSec |
| packet size | 64B |
| 1000 Mb Latency | <2.4 uSec |
| packet size | 64B |
| 10000 Mb Latency | < 1.3 uSec |
| packet size | 64B |
| Throughput (Mpps) | 95.23 Mpps |
| packet size | 64B |
| switching capacity | 128 Gbps |

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| Performance | |
|---|---|
| Routing Table size (# of static entries) | 32 static entries |
| MAC Address table size (# of entries) | 16,000 entries |
| Reliability MTBF (years) | 76 |
| Environment | |
| Operating temperature | 32°F to 104°F (0°C to 40°C) |
| Operating relative humidity | 15% to 95% @ 104°F (40°C) |
| Nonoperating/Storage temperature | 40°F to 158°F (-40°C to 70°C) |
| Nonoperating/Storage relative humidity | 15% to 95% @ 140°F (60°C) |
| Altitude | up to 10,000 ft (3 km) |
| Acoustic | Pressure: 46.1 dBA Power: 60.5 dB |
| Electrical Characteristics | |
| Frequency | 50/60 Hz |
| AC voltage | 100 - 127 / 200 - 240 VAC |
| Current | 2.6/1.3 A |
| Maximum power rating | 234.0 W |
| Idle power | 19.3 W |
| PoE power | 195 W Class 4 PoE |
| Power Supply | Internal power supply |
| Safety | |
| | UL 60950-1; IEC 60950-1; EN 60950-1; CAN/ CSA-C22.2 No. 60950-1; EN 60825-1 UL 62368-1 Ed. 2; IEC 62368-1 Ed. 2; EN 62368-1:2014 |

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| Emissions | |
|--------------------------------|---|
| | VCCI-CISPR 32, Class A; CNS 13438; ICES-003 Issue 6 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015 +AC:2016 / CISPR-32, Class A |
| Immunity | |
| Generic | CISPR 24 / CISPR 35 |
| EN | EN 55024:2010 / EN 55035:2017 |
| 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 | EN 61000-3-2, IEC 61000-3-2 |
| Flicker | EN 61000-3-3, IEC 61000-3-3 |
| Device Management | |
| | Aruba Instant On Portal; Web browser; SNMP Manager |
| Accessories | |
| | Aruba 1G SFP LC SX 500m MMF Transceiver (J4858D) |
| | Aruba 1G SFP LC LX 10km SMF Transceiver (J4859D) |
| | Aruba 1G SFP RJ45 T 100m Cat5e Transceiver (J8177D) |
| | Aruba 10G SFP+ LC SR 300m MMF Transceiver (J9150D) |
| | Aruba 10G SFP+ LC LR 10km SMF Transceiver (J9151D) |

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STANDARDS AND PROTOCOLS

(APPLIES TO ALL PRODUCTS IN SERIES)

General protocols

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.2af PoE (PoE models only)
- IEEE 802.3at PoE (PoE models only)
- IEEE 802.3x Flow control
- IEEE 802.1Q VLANS
- IEEE 802.1p Priority
- RFC 768, RFC 783, RFC 791, RFC 792, RFC 793, RFC 813, RFC 826, RFC 879, RFC 896, RFC 894, RFC 896, RFC 919, RFC 920, RFC 922, RFC 950, RFC 1027, RFC 1042, RFC 1071, RFC 1123, RFC 1141, RFC 1155, RFC 1157, RFC 1213, RFC 1215, RFC 1286, RFC 1350, RFC 1442, RFC 1451, RFC 1493, RFC 1541, RFC 1573, RFC 1624, RFC 1643, RFC 1700, RFC 1757, RFC 1867, RFC 1907, RFC 2011, RFC 2012, RFC 2013, RFC 2030, RFC 2131, RFC 2233, RFC 2236, RFC 2462, RFC 2463, RFC 2464, RFC 2576, RFC 2579, RFC 2580, RFC 2616, RFC 2618, RFC 2665, RFC 2666, RFC 2674, RFC 2710, RFC 2737, RFC 2819, RFC 2863, RFC 3019, RFC 3164, RFC 3176, RFC 3376, RFC 3411, RFC 3412, RFC 3413, RFC 3414, RFC 3415, RFC 3416, RFC 4330, RFC 4443, RFC 4862, RFC 5424, RFC 5519, RFC 5722
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.1X Port Access Authentication
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1W Rapid Spanning Tree Protocol
- IEEE 802.1S Multiple Spanning Tree Protocol
- IEEE 802.1AB Link Layer Discovery Protocol

ORDERING INFORMATION

Aruba Instant On 1930 Switch Series

| Part Number | Description | Gig Ports | Uplink Ports | Class 4 PoE |
|-------------|--|-----------|--------------|-------------|
| JL680A | Aruba Instant On 1930 8G 2SFP Switch | 8 | 2 SFP | - |
| JL681A | Aruba Instant On 1930 8G Class4 PoE 2SFP 124W Switch | 8 | 2 SFP | 124W |
| JL682A | Aruba Instant On 1930 24G 4SFP/SFP+ Switch | 24 | 4 SFP/SFP+ | - |
| JL683A | Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 195W Switch | 24 | 4 SFP/SFP+ | 195W |
| JL684A | Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 370W Switch | 24 | 4 SFP/SFP+ | 370W |
| JL685A | Aruba Instant On 1930 48G 4SFP/SFP+ Switch | 48 | 4 SFP/SFP+ | - |
| JL686A | Aruba Instant On 1930 48G Class4 PoE 4SFP/SFP+ 370W Switch | 48 | 4 SFP/SFP+ | 370W |