Aruba
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Enterprise company

ARUBA INSTANT ON 1830 24G 2SFP SWITCH (JL812A)

Fixed Port Web Managed Ethernet Switches

WHAT'S NEW

- Smart-managed Layer 2 Ethernet switch series ready to deploy in 8, 24-, and 48-port for non-PoE and PoE models.
- Compact and fan-less 8-port PoE/ non-PoE models and 24-port non-PoE model for acoustically sensitive environments.
- Aruba Instant On mobile app and/or cloud-based web portal for easy

OVERVIEW

Aruba Instant On 1830 Switch Series provides an easy to use and affordable wired solution for networks supporting IT, mobile, and cloud applications. This affordable and easy-to-deploy smart-managed switch series is ideal for small businesseslooking for cost-effective wired infrastructure to keep upwith evolving network demands.These entry-level, smart-managed switchesofferLayer 2 switching capabilities,Gigabit connectivity, along with flexible

- network management onsite or remotely.
- Two (2) and four (4) dedicated 1G SFP fiber ports on 24- and 48-port models respectively to eliminate traffic bottlenecks across your network.
- Option to manage your switches through local web GUI.
- Cost-effective PoE Support: With half of the ports capable of supporting PoE, these switches are ideal for the most cost-efficient environments.

management modes - all at an affordable price point. With a flexible management dashboard, Power over Ethernet (PoE) options, and energy-efficient features, these switches deliver a solid business network for SMBs with limited budgets.

FEATURES

Gigabit Connectivity for Small Businesses

Aruba Instant On 1830 Switch Series is a smart-managed Layer 2 Ethernet switch series ready to deploy in six models comprising of 8-, 24-, 48-port for non-PoE and Classs 4 PoE models.

Two (2) and four (4) dedicated 1G SFP fiber ports on 24- and 48-port models respectively to eliminate traffic bottlenecks across your network.

With PoE models, you get up to 30W PoE power delivery is available for Class 4 PoE devices like access points, surveillance cameras and VoIP phones. The 8-port, 24-port and 48-port PoE models come with the power budget of 65W, 195W, and 370W respectively to support latest IoT devices.

8-port non-PoE switch can be powered by an upstream Power over Ethernet (PoE) switch for environments where no line power is available.

Simplify Network Deployment and Management

The Aruba Instant On 1830 Switch Series features easy-to-use, out-of-the-box, plug-and-play deployment.

The switches can be deployed using two management modes - Instant On cloud-management (access via mobile app and/or web portal) and the local web GUI.

Class 4 PoE options allow power to devices like IP phones, surveillance cameras, and access points without the cost of additional cabling.

Keep Your Business Protected with Integrated Security Features

The Aruba Instant On 1830 Switch Series is enhanced with security features such as IEEE 802.1x, Global Storm Control, TPM (Trusted Platform module) based security, and VLANs to guard your network from unwanted or unauthorized access.

Leverage 802.1X with a RADIUS server to verify only known and authorized users can access your network.

Supports Automatic denial-of-service (DOS) monitors and protects the network against malicious attacks.

Better Energy Efficient Features for Reducing Environmental Footprint

The Aruba Instant On 1830 Switch Series has Energy Efficient Ethernet (EEE), and is compliant with 802.3az standard requirements to save energy during periods of low data activity.

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Energy-efficient cooling includes variable speed fans operating only at the speed necessary to maintain operating temperature to reduce excess noise and power consumption.

Features compact and fan-less 8-port and 24-port non-PoE models for acoustically-sensitive environments.

PoE Scheduling allows users to configure a specific day/time of the week (e.g. business hours) for Instant On switches to supply power to connected devices (e.g. surveillance cameras, access points, etc.).

Technical specifications   Aruba Instant On 1830 24G 2SFP Switch

Product Number	JL812A
Differentiator	Entry-level, smart-managed, Gigabit Layer 2 switches. Easy-to-deploy, secure and affordable switches, designed for small businesseslooking for cost-effective solution with evolving networking demands. Using the Instant On mobile app or the cloud-based web portal, quickly setup, monitor and manage the 1830 switches. Can also manage the device through the local web GUI. This model has 24 10/100/1000 RJ-45 and 2 SFP 1GbE ports.
Ports	24 RJ-45 10/100/1000 ports, 2 SFP 1GbE ports
Memory and processor	ARM Cortex-A9 @ 800MHz, 512 MB SDRAM, 256 MB flash packet buffer: 1.5 MB
Throughput	38.68 Mpps
Switching capacity	52 Gbps
PoE capability	-
Management features	Aruba Instant On Cloud Web browser SNMP Manager
Input voltage	100 - 240 VAC
Power Consumption	Maximum: 100-127V: 19.1W 200-220V: 19W: Idle: 100-127V: 7.6W 200-220V: 7.8W
Product Dimensions (metric)	21.59 x 44.30 x 4.39 cm
Weight	2.49 kg

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ARUBA GLOBAL SERVICES

Aruba Global Services simplifies and accelerates the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what Aruba Global Services has to offer at: arubanetworks.com/services/

Support Services from Aruba

Support services reduce complexity and increase your team's productivity, ensuring you keep pace with technology advances and software releases, and obtain break-fix support required to keep your network running. Access to premium services means you have the right help at the right time.

Professional Services from Aruba

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from Aruba technology.

QuickStart Services include:

- Planning, audit and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

Proactive Engineering Services include:

- Intelligent Operations
- Customer Experience Management
- Network optimization

Our **Education Services** allow your team to come up to speed quickly.

Aruba Network as-a-Service (NaaS)

Our NaaS solution, Aruba Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your Aruba network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from Aruba here.

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