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a Hewlett Packard
Enterprise company

ARUBA CX 10000-48Y6C DISTRIBUTED SERVICES BACK-TO-FRONT 6 FANS 2 POWER SUPPLIES BUNDLE (R8P14A)

Fixed Port L3 Managed Ethernet Switches

WHAT'S NEW
- A category of Distributed Services Switch.
- Aruba CX with embedded Programmable DPU (Pensando Elba).

OVERVIEW

The Aruba CX 10000 Switch Series with Pensando is a category of switch that combines best-of-breed Aruba data center L2/3 switching with the industry's first hardware-accelerated programmable processor

- Unified network and security policy via Aruba Fabric Composer.
- Security ecosystem integration with 3rd party vendors.
- Leverages existing Aruba AOS-CX Cloud Native Switching.

(Pensando® P4). The Aruba CX 10000 delivers stateful software-defined services inline, at scale, with wire-rate performance and orders of magnitude scale and performance improvements over traditional data center L2/3 switches at a fraction of their TCO.

FEATURES

Improves Network Bandwidth and Performance

Aruba CX 10000 Switch Series with Pensando offers a unique blend of performance and scale for distributing advanced networking and security services where it's impractical and costly to force traffic back and forth across the network to a centralized policy enforcement point.

Simplify application of services at the services network access layer edge.

Limit Security Appliance Sprawl and Cost

Aruba CX 10000 Switch Series with Pensando improves network bandwidth and performance by not having to trombone local traffic to a centralized chokepoint, helping to improve security posture while limiting appliance sprawl complexity and cost.

The Aruba CX 10000 provides a compelling architectural alternative that distributes these advanced services to the data center edge, with unified network and security automation and policy management.

Extend Zero Trust and Micro Segmentation

Aruba CX 10000 Switch Series with Pensando allows operators to extend industry standard leaf-spine networking with 800G of distributed micro-segmentation, east-west firewalling, NAT, encryption and telemetry services—delivered inline, across every port, closer to critical enterprise applications.

Organizations with dedicated SecOps teams can leverage Policy and Services and Manager (PSM) based on specific security roles and responsibilities for increased scalability and fault tolerance.

Simplify Operations

Aruba CX 10000 Switch Series with Pensando is integrated with Aruba Fabric Composer which provides unified network and security management, automated switch and network configurations, and unified security policy and distributed firewalls across the entire switching fabric.

The Aruba CX 10000 integrates via a Rest API and provides flow data to security and network performance tools including Advanced Security ML (XDR), Application Dependency Mapping (ADM), Network Performance Management (NPM), SIEM/SOAR, firewall compliance rules, and identity group mapping tools.

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Technical specifications

Aruba CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 Power Supplies Bundle

Product Number	R8P14A
Ports	48 SFP28 6 QSFP28
Memory and processor	CPU: 2.9GHz, 32 GB 92x16 GB) SODIMM, 64GB SSD, 32 MB SPI Flash (BIOS), 64 MB SPI Flash (SVOS) Packet Buffer: 32 MB DPU: 2 x Pensando Elba 3GHz
Latency	< 1.3 µs
Throughput	1,940 Mpps
Routing/switching capacity	1.8 Tbps (3.6 Tbps full-duplex)
Switch fabric speed	3.2 Tbps (6.4 Tbps full-duplex)
Switching capacity	1.8 Tbps (3.6 Tbps full-duplex)
Routing capabilities	Static (IPv4/IPv6): RIPv2 RIPng OSPF OSPFv3 BGP-4 MP-BGP with IPv6 PBR ECMP GRE
Management features	CLI REST API SNMP Aruba Fabric Composer NetEdit RJ-45 console Port USB micro console port RJ-45 out of band management port
Power supply name	2 X R8R51A (Front-to-Back) or 2 X R8R52A (Back-to-Front)
Input voltage	100-240VAC
Power Consumption	550W
Heat dissipation	1,876 BTU/hr
Product Dimensions (metric)	4.44 x 43.82 x 51.1 cm
Weight	9.75 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.
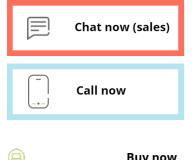
QuickStart Services include:

- 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.

Make the right purchase decision. Contact our presales specialists.

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