Cisco IAD2435-8FXS Integrated Access Device

Q. What is the Cisco® IAD2435-8FXS Integrated Access Device?

A. The Cisco IAD2435-8FXS is part of a family of best-in-class customer premises equipment (CPE) that provides a new, cost-effective interconnection solution to service providers looking to accelerate the migration of their small and medium-sized business customers from time-division multiplexing (TDM) voice to voice over IP (VoIP).

The Cisco IAD2435-8FXS is a fixed-configuration platform with analog voice ports, a T1/E1 WAN port, a voice digital signal processor (DSP) on the motherboard, embedded encryption acceleration, an intrusion prevention system (IPS), and IP Security (IPsec) features, all in a desktop device that simplifies service provider deployments of managed services.

Q. What's the difference between the Cisco IAD2431-8FXS and the new Cisco IAD2435-8FXS?

A. The Cisco IAD2435-8FXS is a fixed-configuration device, while the Cisco IAD2431-8FXS is a modular platform.

The Cisco IAD2435-8FXS has a T1/E1 WAN port, RJ-21 connectors supporting eight analog FXS voice ports, two 10/100 Mbps Fast Ethernet ports, and one console/auxiliary port.

The Cisco IAD2431-8FXS has one open voice/WAN interface card (VWIC) slot, which can support a wide variety of WAN and voice cards. It has one 10/100 Mbps Fast Ethernet port, compared to two 10/100 Mbps Fast Ethernet ports on the IAD2435-8FXS.

Q. Can I continue to use and order the Cisco IAD2431-8FXS?

A. Yes. There are no planned end-of-sale dates for the Cisco IAD2431-8FXS.

Q. What are the different hardware options for the Cisco IAD2435-8FXS?

A. The Cisco IAD2435-8FXS is a fixed-configuration platform. The device ships with the following hardware interfaces:

Model	WAN Data Interface	Analog Voice	Fast Ethernet Ports	Flash	DRAM
IAD2435-8FXS	1 T1/E1	8 FXS	Two 10/100 Mbps	128 MB	256 MB

Q. Are there any hardware upgrade options?

A. No.

Q. Is memory upgradable?

A. No. The Cisco IAD2435-8FXS ships with 256 MB of DRAM, which is sufficient for the intended use of the product.

Q. What does the virtual auxiliary port do?

A. The console/auxiliary port on the Cisco IAD2435-8FXS supports modem control signals. When an external modem is connected to this port, it can be used for out-of-band remote management of the device or as a backup WAN interface. An optional RJ-45 to DB-25 cable is available as an orderable option to connect modems to this port. Any Hayes-compatible

modem or terminal adapter can be connected to this port. The console port will behave like a standard Cisco auxiliary (AUX) port if configured as such and can provide bit rates of up to 115.2 kbps.

Q. **Which Cisco IOS® Software releases does the Cisco IAD2435-8FXS support?**

A. The Cisco IAD2435-8FXS is supported by Cisco IOS Software Release 12.4(22)T and later.

Q. **What Cisco IOS Software images are offered for the Cisco IAD2435-8FXS?**

A. The Cisco IAD2435-8FXS supports two Cisco IOS Software images. IP Voice is the base image bundled in the platform. The Advanced IP Services image may be ordered as an option if there is a need for additional security.

The following images are supported on the Cisco IAD2435-8FXS:
C2435-IPVOICE-MZ—Cisco IAD2435 IP Voice w/o Crypto
C2435-ADVIPSERVICESK9-MZ—Cisco IAD2435 Advanced IP Services

Additional feature licenses are required to enable Network Address Translation (NAT), firewall, and IPS features.

FL-IAD2400-INT—Cisco IAD2400 Internet Access Feature License (NAT and FW)
FL-IAD2400-IPS—IPS Feature License for Cisco IAD2400 Series

Q. **What are the voice options offered by the Cisco IAD2435-8FXS?**

A. The IAD2435-8FXS supports eight analog FXS voice ports through RJ-21 connectors, similar to other Cisco IAD2430 platforms. It supports the same voice features as the rest of the IAD2430 family, including industry-standard protocols like Session Initiation Protocol (SIP), Media Gateway Control Protocol (MGCP), and H.323. More details are available in the data sheet.

Q. **Is Cisco Unified Communications Manager Express supported on the Cisco IAD2435-8FXS?**

A. No.

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