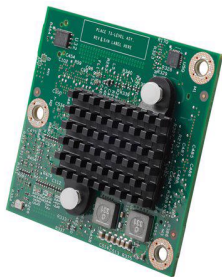


Cisco Fourth-Generation 32-Channel High-Density Packet Voice Digital Signal Processor Module (PVDM4-32=)

Cisco Fourth-Generation 32-Channel High-Density Packet Voice Digital Signal Processor Module - Voice DSP module
- for Cisco 4451-X



The PVDM4 modules are supported on the Cisco 4451-X platform. You can plug them directly into the single slot on the router motherboard or onto the network interface module (NIM) that supports T1/E1 ports. Enhanced DSP architecture accommodates a packet-processing engine optimized for rich-media voice applications, while concurrently supporting the time-division multiplexing IP (TDM-IP) voice framework. A PVDM4 module plugged onto the motherboard delivers IP-based voice services such as conferencing, media optimization, and transcoding. A PVDM4 module plugged onto the NIM daughter card would be used for voice T1/E1 connectivity. All the PVDM4 modules have the same form factor and are field-upgradable to allow you to easily scale your voice deployments.

Key Selling Points

- Voice-quality management
- Energy-saving

Product Features

- Voice-quality management
The PVDM4 modules perform compression, voice-activity-detection, jitter-management, and echo-cancellation functions.
- Energy-saving
The PVDM4 DSPs offer multiple power-saving modes, including a power-saver mode when the module is not in use. In power-saver mode each PVDM4 can save up to 5 watts of power.

Main specifications

Product Description	Cisco Fourth-Generation 32-Channel High-Density Packet Voice Digital Signal Processor Module - voice DSP module
Device Type	Voice DSP module
Form Factor	Plug-in module
Bus Voltage	3.3 V
Dimensions (WxDxH)	5.08 cm x 6.65 cm x 1.7 cm
Weight	36 g
RAM	512 MB
Compliant Standards	G.711, G.729a, G.729ab, G.726, G.722, G.728, G.729, G.729b
Designed For	Cisco 4451-X, 4451-X Application Experience, 4451-X Integrated Services Router Security Bundle, 4451-X Integrated Services Router Voice and Video Bundle, 4451-X Integrated Services Router Voice Security Bundle

Extended specification

General

Device Type	Voice DSP module
Form Factor	Plug-in module
Bus Voltage	3.3 V

Networking

Connectivity Technology	Wired
Compliant Standards	G.711, G.729a, G.729ab, G.726, G.722, G.728, G.729, G.729b

Miscellaneous

Compliant Standards	CISPR 22 Class B, CISPR 24, EN 61000-3-2, IEC 60950, EN 61000-3-3, EN55024, EN50082-1, EN55022 Class B, AS/NZS 60950-1, EN 61000-4-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-6, EN 61000-4-5, EN 61000-4-11, EN 61000-4-8, UL 60950-1, EN 60950-1, UL 60950-1 Second Edition, FCC CFR47 Part 15 B, GB 4943, EN 60950-1 Second Edition, NOM-019-SCFI-1998, EFTA, CAN/CSA-C22.2 No. 60950-1
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Power

Power Consumption Operational	4.85 watt
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	50 °C

Processor / Memory

RAM	512 MB
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Dimensions & Weight

Width	5.08 cm
Depth	6.65 cm
Height	1.7 cm
Weight	36 g

Compatibility Information

Designed For	Cisco 4451-X, 4451-X Application Experience, 4451-X Integrated Services Router Security Bundle, 4451-X Integrated Services Router Voice and Video Bundle, 4451-X Integrated Services Router Voice Security Bundle
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Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet