

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

NIM-2FXO

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	NIM-2FXO
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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NIM-2FXO Datasheet

The Cisco NIM-2FXO datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the NIM-2FXO and integrate it into enterprise or service provider networks with confidence.

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Key Features

Two FXO

Analog trunk ports for PSTN/PBX connectivity with loop-start and ground-start signaling for broad interoperability.

Onboard DSP

(no router PVDM needed) enabling TDM analog voice, echo cancellation up to 128 ms, VAD/CNG, and RTCP/RTP.

Codec flexibility for efficient bandwidth

G.711, G.729a, G.726; G.723 and iSAC noted, with iLBC on roadmap.

Enterprise telephony features

caller ID, battery reversal detection, CDR info, and cable-detection/overload protection.

Fax and modem support

T.38 fax relay, fax pass-through, and modem pass-through for legacy devices.

Easy operations

OIR support on ISR 4300/4400; IOS XE 3.13.4+ (and later listed trains) with SNMP/MIB manageability.

Specification

Parameter	Specification	Parameter	Specification
Model	NIM-2FXO (2-port FXO Network Interface Module)	Form factor	NIM plug-in module for Cisco ISR 4000
Ports	2 × FXO, RJ-11	Interface type	Foreign Exchange Office (FXO), universal
Platform support	Cisco ISR 4300 & 4400 Series	Online Insertion/Removal (OIR)	Supported
Signaling	Loop start, Ground start	Caller ID / Polarity reversal	Supported
Voice codecs	G.711 (A/μ-law), G.729a/b, G.726, G.723.1	Fax/Modem	T.38 fax relay; Fax/Modem passthrough
Protocol interworking	SIP, SCCP, H.323, MGCP 1.0	RTP features	RTP/RTCP, RFC 4733 (RFC 2833) DTMF relay
Echo cancellation	Up to 128 ms tail	Voice optimizations	VAD, CNG, cRTP
DSP resources	On-module DSP (no chassis PVDM required)	Country configuration	Software-selectable (global homologation variants)
Cabling	2-wire analog, straight-through	Use cases	PSTN trunks, analog PBX trunks, branch voice gateway
Minimum software	Cisco IOS XE (Unified Communications feature set)	Management	CLI (console/SSH), SNMP
Regulatory (examples)	TIA-968-B (US), CS-03 (CA), CE (TBR 21), AS/CA S002/S003	Weight	Approx. 0.42 lb (≈191 g)
Ordering PID	NIM-2FXO	Warranty	Per Cisco hardware warranty policy

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