



Model Number
GWC-8FXS-SIP

Cisco Analog 8FXS SIP Gateway

Introduction

The Cisco® Analog 8FXS SIP (Session Initiation Protocol) Gateway is a telephony gateway that allows Scout systems to interface with phones and key systems.

Avtec ships this Cisco 2901 chassis installed with two four-port FXS voice interface cards (VIC3-4FXS). This SIP Gateway also comes installed with Cisco Call Manager Express (CME), which includes 25 user licenses.

Features



Eight analog FXS line interfaces allowing up to eight simultaneous VoIP calls

Installed with Cisco Call Manager Express (CME)

Ground start POTS circuits

Loop start POTS circuits

Generates battery polarity reversal and caller ID

Automatic ringdown

Secondary dialing (performed using DTMF Events)

CLASS caller ID

Receive and Transmit gain

Echo cancellation

G.711 and G.729 codecs

Rackmount hardware package included

RoHS compliant

Specifications

Interface Type	FXS and DID trunk
Cisco IOS Software Release	12.4(20)T
Compliance	FCC Class B device, CE
Safety Conformance	UL1950
Address Signaling Formats	In-band DTMF Out-of-band pulse (8-12 pps)
Signaling Modes	FXS: Loop start, ground start DID: Immediate, Delay-dial, WinkStart
Disconnect Supervision	Power denial (Calling Party Control, far-end disconnect)
MTBF	2,131,306 hours
Codecs Supported	G.729 and G.711 uLaw
Echo Cancellation	24-128ms, multi-reflector, double-talk
Warranty	1 Year

Physical Specifications

Unit Dimensions (HxWxD)	1.75 in × 17.25 in × 17.30 in (4.45 cm × 43.82 cm × 44.00 cm)
Rack Height	1RU (rack unit)
Maximum Weight	16 lb (7.3 kg)
Airflow	Front to side
Physical Connector	RJ-11 (8)
Number of Connectors/Ports	8
Operating Temperature	40°–104°F (5°–40°C)
Operating Humidity	20%–80% non-condensing

Power Specifications

AC Power	100-240 volts AC, 50/60 Hz, 60 watts
AC Input Frequency	47 to 63 Hz
AC Input Current Range AC Power Supply (Maximum)	1.5 to 0.6A

Regulatory Compliance

AC Input Surge Current	<50A
Maximum Power with AC Power Supply (Watts)	150
Power Interrupt Disconnect	Call disconnect on power interrupt of > 600 ms

Supported Standards

Safety	UL 60950-1 CAN/CSA C22.2 No. 60950-1 EN 60950-1 AS/NZS 60950-1 IEC 60950-1
EMC	47 CFR, Part 15 ICES-003 Class A EN55022 Class A CISPR22 Class A AS/NZS 3548 Class A VCCI V-3 CNS 13438 EN 300-386 EN 61000 (Immunity) EN 55024, CISPR 24 EN50082-1
Telecom	TIA/EIA/IS-968 CS-03 ANSI T1.101 ITU-T G.823, G.824 IEEE 802.3 RTTE Directive
Environmental	RoHS Compliant (Restriction of Hazardous Substances)

Telco	FCC Part 68, TS-016, TBR4, TS-038, CS03
Request For Comments (RFC) Support	SIP RFC2833 for DTMF signaling

A full list of specifications for the Cisco 2901 Integrated Services Router can be found on the Cisco Website.

Model Numbers

2000-101-1802	Adapter, 50-pin Telco to 8 RJ11 (for -1801)
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