



Features

Single T1 port

Cisco Call Manager Express (CME) installed

Three signaling modes: ground start, loop start, and wink start

Framing

Line coding

Battery reversal detection (used for remote party hang-up detection)

Echo cancellation

G.711 and G.729 codecs

Rackmount hardware package included

RoHS compliant

Cisco T1 SIP 4331 Gateway

The Cisco T1 SIP (Session Initiation Protocol) Gateway is a telephony gateway that allows Scout systems to interface with T1 circuits.

Avtec ships this Cisco 4331 chassis installed with a One-Port T1/E1 Multiflex Trunk Voice/WAN Network Interface Module (NIM).

This SIP Gateway also comes installed with Cisco Call Manager Express (CME), which includes 25 user licenses.

GENERAL SPECIFICATIONS

Interface Type: T1

Cisco IOS Software Release: 16.6.3

Compliance: FCC Class A device, CE

Safety Conformance: UL60950

Address Signaling Formats: In-band DTMF

Signaling Modes: Loop start, ground start, wink start

Battery Polarity Reversal Detection: Detection of disconnect supervision and far-end answer supervision via battery polarity reversal

MTBF: 587,250 hours

Codecs Supported: G.729 and G.711 uLaw

Echo Cancellation: Up to 128 ms

Warranty: 1 year

PHYSICAL AND POWER SPECIFICATIONS

PHYSICAL

Unit Dimensions (HxWxD): 1.73 in × 17.25 in × 19.97 in (4.39 cm × 43.82 cm × 50.72 cm)

Rack Height: 1 RU (rack unit)

Maximum Weight: 16.1 lb (7.3 kg)

Airflow: I/O side to bezel side

Physical Connector: 2 RJ45 ports

Number of Connectors/Ports: 1

Operating Temperature: 32 °F – 104 °F (0 °C – 40 °C)

Operating Humidity: 5% – 85% non-condensing

POWER

AC Power: 100-240 volts AC autoranging

AC Input Frequency: 47 to 63 Hz

AC Input Current Range AC Power Supply (Maximum): 3 to 1.3A

AC Input Surge Current: 60 A peak and less than 5 Arms per half cycle

Maximum Power with AC Power Supply (Watts): 250

COMPLIANCE AND STANDARDS SPECIFICATIONS

REGULATORY COMPLIANCE

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 EN55032 Class A CISPR32 Class A VCCI V-3 CNS 13438 EN 300-386 EN 61000 (Immunity) EN 55024, CISPR 24 KN22, KN24

Telecom: TIA-968 -B CS-03 ANSI T1.101 ITU-T G.823, G.824, IEEE 802.3 RTTE Directive

Environmental: RoHS Compliant (Restriction of Hazardous Substances)

SUPPORTED STANDARDS

Telco: FCC Part 68, TS-016, TBR4, TS-038, CS03

A full list of specifications for the Cisco 4331 Integrated Services Router can be found on the Cisco website.