



1E1 Trunk Gateway SC-5001-1E,

SC-5002-2E (2E1)

SC-5004-4E (4E1)

SC-5008-8E (8E1)

SC-5016-16E (16E1)



- ✧ 1/2/4/8/16 * E1/T1 Optional
- ✧ PRI/SS7 Optional
- ✧ SIP, H.323, SIP-T (SIP-T for Q.sig and SS7)
- ✧ G.711, G.723, G.729, etc.
- ✧ Up to 991 concurrent calls
- ✧ Intelligent Multi-Routings for calls
- ✧ Callback card/Calling card service customizable

Overview

SC-5001-1E is a cost-effective, feature-rich and intelligent VoIP trunking gateway integrating. It is designed to connect seamlessly between PSTN and IP network to offer converged communication solutions to Carriers, large enterprises and SMEs

SC-5001-1E offers a reliable deployment for next generation network (NGN) supports SS7/PRI, which is fully-compatible with the leading Soft switches, IP PBXs and IP Centrex applications using SIP-T/SIP/H.323 protocol. Together with its 1U stackable size, friendly GUI, enables SC-5001-1E to provide perfect connectivity of PSTN to IP network, helping users easily access the benefits delivered by a VoIP communication network.

Features

- ◆ **Capability:**

Up to 991 channels, spans a range of 1 E1/T1 to 16 E1/T1 interfaces

- ◆ **Safety and Reliability:**

1+1 power supply redundancy, 1+1 fan, powerful hardware platform

- ◆ **Powerful & Flexible number manipulation:**

Number analysis and manipulation, caller number pool manipulation, dial plan, etc.

- ◆ **Intelligent & Powerful call routing:**

Support multi-route selection, ensure the outgoing/incoming calls can select different sub-route after the route failure, timeslots group, etc.

- ◆ **Service-Oriented architecture, rich services supported**

Provide various services function for operator, for example, callback, call shop, calling card, call center, Fax over IP, etc. The service-orient architecture is in line with the development evolution of telecom technology, satisfies the continuous expanding need in future.

- ◆ **Interoperability:**

Support PRI/ SS7/ SIP-T/ SIP/H.323, interpretable with the leading Soft switch, flexible inter-working between IP-TDM and IP-IP

- ◆ **Built-in IVR**

- ◆ **Register mode, peer mode**

- ◆ **Easy Maintenance:**

Full Web management interface, standalone managed by telnet or central managed by Network Management System (NMS).

Specification

Model	SC-5001-1E
Interfaces	
Trunk Interfaces	1/2/4/8/16/32*E1/T1, SMB/ BNC/ RJ-48C (RJ45)
Network Interfaces	2*10/100M BASE-TX
Maintenance	RS-232, 9600
Voice & Fax	
Voice codec	G.711, G.723.1, G.729A/B
Voice over packet Capabilities	G.168 with 32, 64 or 128 ms tail length, VAD,CNG
Fax over IP	Pass-through, T.38, up to 14.4kbps
Network protocols	TCP/UDP, RTP/RTCP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET, FTP, SNMP
DTMF method	RFC2833, INBAND, SIP Info
Signaling	
PSTN signaling	SS7 (ITU-T Q.721~Q.725, ITU-T Q.761~Q.764, Q.730) PRI (E1 PRI 30B+D, T1 PRI 23B+D, Q.931 / Q.sig, ITU-T I.430, I.431, Q.921, Q.931)
Signaling support	SIP (RFC3261 SIPv2.0), H.323, SIP-T (RFC3398/RFC3372/RFC3204)
Physical	
Dimensions(mm)	435x500x44 (1U)
Power	85~265V AC,50~60HZ,1.2A,40W
Temperature	32-104°F or 0~40 °C
Storage	-2-176°F or -20~80 °C
Humidity	10%-90%
Weight	6.5kg

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