

VST3300 Series SIP IP-PBX



Product Overview

The Edge-Core VST3300 Series are highly versatile, integrating Analog Trunk, Analog Line, SIP Trunk, SIP Line and IP-PBX with in one box. With Built-in Registrar and Proxy Server, the VST3300 series can serve point to multi-point branches without ISP services and an extra telephone fees. The VST3300 series can also work with existing PBXs to extend current telephone networks. This all-in-one VoIP device is the best solution for multi-point, small group connections.

Key Features and Benefits

Integrate Analog Trunk, Analog Line, SIP Trunk, SIP Server, IP-PBX into 1 device

There is no need to purchase several devices for a complete solution. Complete trunking is available using analog PSTN ports and the SIP trunk. Comprehensive extension numbers are available by employing Analog and SIP line ports.

Built-in Registrar and Proxy Server support SIP standard devices RFC-3261 and RFC-2833 SIP-compliant devices, such as SIP Gateways and IP Phones, can register as an extension to the VST3300.

Scalable up to 100 sites and 8800 extensions Great adaptability and system planning are provided with 2, 4, 8, 16 analog ports and scalability, which when set, works as a complete IP-PBX.

Register to ITSPs (IP telephony Service Providers) for additional, value-added service. Reduce communication costs with the additional ability to register to IP telecoms

Original dialing behavior. Dialing plans can be maintained with E.164, offering high flexibility.

Multiple "Call Forwarding" Never miss a call. The VST3300 can ring a variety of devices, such as GSM mobile phones, notebooks, IP Phones, etc in an order pre-arranged by the user. Call Forwarding can be set for busy, no answer, and all calls

Private IP support giving SIP devices "Plug and Play" mobility. Public IP is not required. The VST3300 uses Media Relay to reach devices behind NAT without additional configuration.

Upgrade software through Web interface. Users have simple, on-demand maintenance for configuration files, auto attendant greetings and software using this convenient feature.

Functions

Built-in DISA provides recorded auto attendant messages and transfers incoming calls. Messages can be easily recorded through the telephone or downloaded by FTP.

Network Operator can be assigned to any extension and be reached by dialing "0" when calling from the PSTN.

Inbound, Outbound and Transit Calls are all supported. Even calls from the PSTN can be transited to other SIP numbers via the SIP trunk.

Call transfer, call park and consult transfer to any extension of local or remote sites through Analog or SIP lines.

Call forward an incoming call to an analog line, a SIP line of a local or remote VST3300 or to a PSTN number.

Automatic Trunk Selection chooses the cheapest routing for outbound calls.

Call Pick-up isolates incoming calls into an area where other extensions belonging to the same pick-up group can retrieve it.

Speed dialing can be configured for 100 abbreviate numbers.

T.38 FAX is supported to connect a fax machine to an analog port of the VST3300.

Life Line allows calls to be made though the analog line port when the power is off.

Comprehensive Networking Management through telephone set, Console, SNMP and WEB management and Telnet. Moreover, the VST3300 is manageable from remote sites.

CDR Collection, or Call Detail Record, through the RS-232 port or TCP/IP protocol for better call accounting management.

VST3300 Product Specifications

Features

System Scale

Maximum Networking: 100
 Maximum Extensions: Analog: 1600 / SIP: 7200
 Maximum Trunk: Analog: 1600 / SIP: 1600

Data/Voice Management

Protocols

- RTP (Transfer Protocol)
- Proprietary SIP (Call Control Protocol)
- Standard SIP Protocol (RFC-3261, RFC-2833)

Voice Codec: G.711 / 20ms, G.723 / 60ms, G.729 / 40ms
 Voice Quality

- VAD (Voice Activity Detection)
- CNG (Comfortable Noise Generation)
- Echo Cancellation (G.165/G.168 16ms)
- Adaptive Jitter Buffer Management

Gain Control: In/Out +/-6db
 IP Address Support

- Static IP
- DHCP
- Private IP

Mechanical

Power Input: 100 ~ 240VAC
 50 ~ 60Hz
 External Power Adapter

Emissions/Safety

Safety: cUL, CCC*, CB* *Future Release
 PTT Regulations: FCC part 68, JATE*, CTR21*
 EMI Certifications: FCC Part 15 Class B, CE Mark

Environmental Specifications

Working Environment

- -10°C to 70°C (Storage Temperature)
- 0°C to 50°C (Operating Temperature)

SIP PBX Features

Auto Attendant (DISA)
 Music on Hold
 Network Operator Group
 Barring Class
 Trunk Group
 Trunk Class
 Line Group
 Automatic Trunk Selection
 Specific Trunk Selection
 Network Extension Line
 Inbound Transit Call
 Outbound Transit call
 Least Call Routing
 Traffic Management
 Call Transfer
 Call Forward
 Call Pick Up group
 Call Park
 Abbreviated Dialing
 DND (Do Not Disturb)
 Life Line
 T.38 FAX

Management

Management:

- WEB Browser
- Phone Set
- System Console
- Telnet

Software Upgrade:

- FTP
- WEB
- Multiple configuration files
- Configuration file upload/download via TFTP server

Warranty

Limited Lifetime Warranty

Ordering Information

Models	FXO	FXS	SIP Line	SIP Trunk	Concurrent Calls	Power Consumption	Dimensions
VST3305	1	2	8 / 72*	2 / 24*	36	10W	190mm x 25mm x 110mm
VST3306A	2	2	12 / 72*	2 / 24*	36	12W	172mm x 35mm x 176mm
VST3306B	0	4	12 / 72*	2 / 24*	36	12W	172mm x 35mm x 176mm
VST3306C	4	0	12 / 72*	2 / 24*	36	12W	172mm x 35mm x 176mm
VST3318A	8	8	32 / 72*	4 / 24*	48	70W	440mm x 66mm x 254mm
VST3318D	4	12	32 / 72*	4 / 24*	48	70W	440mm x 66mm x 254mm
VST3318E	12	4	32 / 72*	4 / 24*	48	70W	440mm x 66mm x 254mm

*Maximum Amount Supported for Optional SIP License Expansions

Optional Accessories

Modules:

MP3008
 MP3108
 MP3208

SIP License Upgrade Keys:

SIPL-4
 SIPL-8
 SIPT-2
 SIPT-4

Product Description

8 FXS ports
 8 FXO ports
 4 FXS + 4 FXO ports

Upgrade Key for 4 SIP Lines
 Upgrade Key for 8 SIP Lines
 Upgrade Key for 2 SIP Trunks
 Upgrade Key for 4 SIP Trunks



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DS_VST3300_V02
 2006. 04.