



3301FXSP-32/64/96 & 3601FXSP-120



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3301FXSP-32/64/96 & 3601FXSP-120 is a cost effective VoIP media gateway designed to interface between TDM and IP networks in enterprises. Its superior capabilities ensures better speech quality and faster processing. 3301FXSP-32/64/96 & 3601FXSP-120 provides local survivability in the event of external network failures. It can be deployed to connect enterprise legacy PBX systems over an IP infrastructure. In addition, it can be deployed in hosted communications and centralized IP-PBX applications. It is a modular system which provides a high grade scalability up to 120 ports in a single system.

Features Highlights and Applications

- 16/32/48/64/72/96/120 telephone FXS ports with RJ11 and 60 HDSUB connectors
10-100T ethernet
- 2 SIP server profiles per system and independent SIP account per port
- Supported voice/Fax codecs include G.711, G.723.1, G.726, G.729A/B, ILBC, T.38 Fax
- Advanced carrier grade line eco cancellation
- Over-voltage and over-current protection
- Self Survivable in the event of network or server failure
- Support MWI and shutter tone for message waiting indication
- Automated provisioning using external configuration file; TLS/SRTP/HTTP for advanced security and privacy protection

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Technical Specifications

Telephone Interfaces	Support both RJ11 & HDSUB as per customer requirement	
Network Interfaces	1 x 10M/100MMbps auto sensing RJ45 port	
LED Indicators	LED Indicator for LAN Link & LAN Activity	
Voice-over-Packet Capabilities	Window based carrier grade line echo cancellation, dynamic jitter buffer, modem detection	
Voice Compression	G.711, G.729a, G.726,	
Fax over IP	Supported through T.38 & pass through	
Telephony Feature	Caller ID display or block, call waiting, blind or attended call transfer, call forward, do not disturb, 3-way conference, last call return, paging, message waiting indicator LED, support and stuter tone. auto dial	
QoS	DiffServ, TOS, 802.IP/Q VLAN tagging	
Network Protocols	TCP/UDP, RTP/RTCP, HHT/HTTP, ARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET,SSH, SFTP, SNTP	
DTMF Method	Flexible DTMF transmission methods including In-audio, RFC2833, and/Or SIP INFO	
Signaling	SIP (RFC 3261) over UDP/TCP/TLS	
SIP Server Profiles & Account Per System	SIP profile to Main proxy server and Alternate SIP proxy server	
Provisioning	TFTP, HTTP, TELNET, SSH, XML	
Security	SRTP, TLS/SIPS, HTTPS, 802.1x	
Management	Syslog, HTTP, Web brouER, XML	
Universal Power Supply	AC Operation: 140V - 265V AC, DC Operation: 48V DC, Power Consumption: Appx 0.7W/port	
Environmental	Operation Temp: -10 to +50 Dea C. Storage Temp: -20 to +65 Dea C, Relative Humidity: 0-90%	
Electrical Protection	Over-voltage and Over-current protection	
Physical	Unit Dimension:	1U - 3301FXSP: 48x45x335mm
		2U - 3601FXSP: 480x90x335mm
	Unit Weight	1U - 3301FXSP: 8kg max.
		2U - 3601FXSP: 12kg max.
Mounting	Desktop and rack mount with front brackets	
Short & Long Haul	Short loop: 1200 ohms & Long Loop: 1800 ohms	
Caller ID	Bellcore Type 1&2, ETSI and DTMF-based CID	
Disconnect Methods	Busy Tone, Polarity Reversal / Wink, Loop Current	
Compliance	ITU-T : 60950 (power adaptor)	

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