



# Partner Marketing Kit



**GXW4500 series - February 2019**

# Agenda

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# About the GXW4500 Series

The GXW4500 series are E1/T1 Digital VoIP Gateways that allow digital PSTN and ISDN trunks to be integrated with VoIP networks. By connecting the GXW4500 series with a VoIP network and a traditional PBX or E1/ T1 provider, businesses can drastically increase the amount of PSTN/ISDN trunks integrated with their VoIP network. The GXW4500 series offers three models that provide 1, 2 or 4 T1/E1/J1 spans and support 30, 60 or 120 concurrent calls to cater to the VoIP needs of large and medium sized enterprises.



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# Messaging Strategy

## *GXW4500 Series*

<b>Tagline</b>	E1/T1/J1 Digital VoIP Gateway
<b>Subhead</b>	<i>Digital VoIP Gateway for integrating digital PSTN and ISDN trunks with VoIP networks</i>
<b>Positioning</b>	To cater to large and medium sized enterprises, the GXW4500 series allows for secure encryption to protect calls and accounts. By connecting the GXW4500 series with a VoIP network and a traditional PBX or E1/T1 provider, businesses can drastically increase the amount of PSTN/ISDN trunks integrated with their VoIP network.
<b>Key Differentiators</b>	<ul style="list-style-type: none"><li>• Integrate digital PSTN and ISDN trunks with VoIP networks</li><li>• TLS and SRTP security encryption technology to protect calls and accounts</li><li>• Software-configurable E1/T1/J1 port and supports PRI, SS7 and MFC R2</li><li>• Dual Gigabit network ports with a configurable integrated NAT router</li><li>• Supports up to 120 concurrent calls, multi-language voice prompts and T.38 fax</li><li>• Automated provisioning by HTTPs/TFTP with XML config files</li><li>• Supports nearly all popular voice codecs including G.722, G.729, iLBC, and more</li></ul>

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# GXW4500 Series Datasheets



## E1/T1/J1 Digital VoIP Gateway GXW4500 Series

The GXW4500 series are E1/T1 Digital VoIP Gateways that allow digital PSTN and ISDN trunks to be integrated with VoIP networks. By connecting the GXW4500 series with a VoIP network and a traditional PBX or E1/T1 provider, businesses can drastically increase the amount of PSTN/ISDN trunks integrated with their VoIP network. The GXW4500 series offers three models that provide 1, 2 or 4 T1/E1/J1 spans and support 30, 60 or 120 concurrent calls to cater to the VoIP needs of large and medium sized enterprises.



Dual Gigabit auto-sensing RJ45 network ports with integrated NAT router



TLS and SRTP security encryption technology to protect calls and accounts



Automated provisioning by HTTP/TFTP with XML config files



Software configurable E1/T1/J1 ports, support PRI, SS7, MFC R2



Supports a wide-range of voice codecs, including G.722, G.729, iLBC, and more



Supports T.38 Fax for creating Fax-over-IP



Supports multi-language voice prompts



Supports up to 120 concurrent calls

Interfaces	
<b>T1/E1/J1 Interface</b>	1/2/4 RJ45 ports, supporting up to 30/60/120 simultaneous VoIP calls
<b>Network Interfaces</b>	Dual self-adaptive Gigabit ports (switched or routed)
<b>Peripheral Ports</b>	(2) USB 3.0, (1) SD card interface
<b>LED Indicators</b>	LAN, WAN, T1/E1/J1
<b>LCD Display</b>	128x32 dot matrix graphic LCD with DOWN and OK buttons
<b>Reset Switch</b>	Yes, long press for factory reset and short press for reboot
Voice & Video Capabilities	
<b>Voice-over-Packet Capabilities</b>	LEC with NLP Packetized Voice Protocol Unit, 128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711
<b>Voice and Fax Codes</b>	G.711 A-law/U-law, G.722, G.723, 1.5, 3K/6.3K, G.726, G.729A/B, iLBC, AAL2-G.726-32
<b>Fax over IP</b>	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Passthrough, Fax data pump V.17, V.21, V.27ter, V.29 for T.38 fax relay
<b>Voice-quality Enhancement</b>	Echo cancellation (G.168-2004), jitter buffer, Silence suppression (VAD, CNG), PLC
<b>QoS</b>	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
Signaling & Control	
<b>DTMF Methods</b>	In-band audio, RFC2833, and SIP INFO
<b>Digital Signaling</b>	SIP (RFC 3261) over UDP/TCP/TLS, PRI, SS7, MFC R2, RBS (pending) PRI switch types: Euro ISDN, nation, Q.SIG CAS: MFC R2 (Argentina, Brazil, China, Czech Republic, Colombia, Ecuador, Indonesia, ITU, Mexico, Philippines, Venezuela) SS7: ITU, ANSI, China
<b>Upgrade</b>	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload
<b>Device Management</b>	Syslog, HTTPS, Web browser, voice prompt, TR-069 management, backup and restore, port capture and packet capture
<b>Network Protocols</b>	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, STUN, SRTP, TLS, LDAP, HDLC, HDLC-ETH, PPP, Frame Relay (pending), IPv6, OpenVPN®
<b>Status and statistic</b>	Call status and history, device status monitoring and ISDN status monitoring
Security	
<b>Media Encryption</b>	SRTP, TLS, HTTPS, SSH, 802.1X
<b>User-defined ports</b>	SIP port, RTP port, HTTP/HTTPS port
<b>Advanced Defense</b>	Faithban, alert events, Whitelist, Blacklist, strong password based access control
Physical	
<b>Universal Power Supply</b>	Input: 100 ~ 240VAC, 50/60Hz; Output: DC+12V, 1.5A
<b>Physical &amp; Dimensions</b>	Unit Weight: xxx kg; Package Weight: xxx kg Unit Dimensions: 485mm(L) x 190mm(W) x 46mm (H)
<b>Temperature and Humidity</b>	Operating: 32 ~ 113°F / 0 ~ 45°C; Humidity 10 ~ 90% (non-condensing) Storage: 14 ~ 149°F / -10 ~ 60°C; Humidity 10 ~ 90% (non-condensing)
<b>Mounting</b>	Rack mount & Desktop
Additional Features	
<b>Multi-Language Support</b>	Web UI: English, Simplified Chinese, Traditional Chinese, Spanish, French, Portuguese, German, Russian, Italian, Polish, Czech; Customizable IVR voice prompts: English, Chinese, British English, German, Spanish, Greek, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish, Hebrew, Arabic; Customizable language pack to support any other languages
<b>Compliance</b>	FCC: Part 15 (CFR 47) Class B, Part 68 CE: EN50522 Class B, EN55024, EN50103-3, EN50609-3-1, EN50609-3-2, EN50609-3-3, EN50609-3-4, EN50609-3-5, EN50609-3-6, EN50609-3-7, EN50609-3-8, EN50609-3-9, EN50609-3-10, EN50609-3-11, EN50609-3-12, EN50609-3-13, EN50609-3-14, EN50609-3-15, EN50609-3-16, EN50609-3-17, EN50609-3-18, EN50609-3-19, EN50609-3-20, EN50609-3-21, EN50609-3-22, EN50609-3-23, EN50609-3-24, EN50609-3-25, EN50609-3-26, EN50609-3-27, EN50609-3-28, EN50609-3-29, EN50609-3-30, EN50609-3-31, EN50609-3-32, EN50609-3-33, EN50609-3-34, EN50609-3-35, EN50609-3-36, EN50609-3-37, EN50609-3-38, EN50609-3-39, EN50609-3-40, EN50609-3-41, EN50609-3-42, EN50609-3-43, EN50609-3-44, EN50609-3-45, EN50609-3-46, EN50609-3-47, EN50609-3-48, EN50609-3-49, EN50609-3-50, EN50609-3-51, EN50609-3-52, EN50609-3-53, EN50609-3-54, EN50609-3-55, EN50609-3-56, EN50609-3-57, EN50609-3-58, EN50609-3-59, EN50609-3-60, EN50609-3-61, EN50609-3-62, EN50609-3-63, EN50609-3-64, EN50609-3-65, 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# GXW4500 Series Sell Sheet

## GXW4500 Series E1/T1/J1 Digital VoIP Gateway



### About the GXW4500

The GXW4500 series are E1/T1 Digital VoIP Gateways that allow digital PSTN and ISDN trunks to be integrated with VoIP networks. The GXW4500 series offers three models that provide 1, 2 or 4 T1/E1/J1 spans and support 30, 60 or 120 concurrent calls.

### Product Positioning

To cater to large and medium sized enterprises, the GXW4500 series allows for secure encryption to protect calls and accounts. By connecting the GXW4500 series with a VoIP network and a traditional PBX or E1/T1 provider, businesses can drastically increase the amount of PSTN/ISDN trunks integrated with their VoIP network.



Supports a wide range of voice codecs



TLS and SRTP encryption



Dual Gigabit auto-sensing RJ45 network ports



Automated provisioning by HTTP/TFTP

### Competitive Features

- Dual Gigabit autosensing RJ45 network ports with integrated NAT router
- TLS and SRTP security encryption technology to protect calls and accounts
- Automated provisioning by HTTP/TFTP with XML config files
- Supports a wide range of voice codecs
- Supports up to 120 concurrent calls
- Software configurable E1/T1/J1 ports
- Supports multi-language voice prompts



### GXW4500 Key Technical Specifications

Interfaces	1/2/4 RJ45 ports, supporting up to 30/60/120 simultaneous VoIP calls
Voice Capabilities	Each handset may access up to ten (10) lines
Media Encryption	SRTP, TLS, HTTPS, SSH, 802.1X
Voice-Quality	Echo cancellation (G.168-2004), Jitter buffer, Silence suppression (VAD, CNG), PLC
Digital Signaling	SIP (RFC 3261) over UDP/TCP/TLS, PRI, SS7, MFC R2
Power Supply	Input: 100 ~ 240VAC, 50/60Hz; Output: DC+12V, 1.5A
Voice/Fax Codecs	G.711, A-law/U-law, G.722, G.723, 5.3K/6.3K, G.726, g.729A/B

### Translations

[English](#)

[Spanish](#)

[Portuguese](#)


[Italian](#)

[French](#)

[Russian](#)

[German](#)

# GXW4500 Series Competitive Comparison Chart

	 <b>GXW4500 series</b>	<b>Yeastar TE100</b>	<b>AudioCodecs Mediant 500</b>	<b>Synway SMG2030L</b>
Network Interface	2x 1000M (SBC pending)	2x100M	4x 1000M (SBC with license)	2x 1000M
USB/SD Card	2x USB3.0, SD Card	1x USB2.0	2x USB2.0	
PRI switch TYPE	National ISDN2	Euro ISDN		Unconfigurable
	DMS100	nation		
	Lucent 5E	Q.SIG		
	AT&T 4ESS			
	Standard EuroISDN (CTR4, ETSI 300-102)			
	T1 EuroISDN variant (ETSI 300-102)			
	National ISDN 1			
	GR-303 Embedded Operations Channel			
	GR-303 Timeslot Management Channel			
	Q.SIG			
Signaling	PRI, MFCR2, SS7	PRI, MFCR2, SS7	ISDN PRI	PRI, MFCR2
Storage	NAS			
Codec	G.711, G.722, G.723.1, G.726, G.729A/N, Opus, iLBC, GSM	G.711, G.722, G.726, G.729A, GSM, Speex, ADPCM	G.711, G.723.1, G.729A, G.722, AMR, SILK, Opus	G.711, G.729A/B, G723.1, G722, GSM, iLBC
LCD	128x32 LCD			
Form Factor	1U	Desktop	Desktop	Desktop

Translations

[English](#)

# GXW4500 Series Ready-Made Campaign

## Social

[Social Banner \(PNG\)](#)

[Social Banner \(PSD\)](#)

[Social Text Copy \(Word\)](#)

## Email

[GXW Email \(PDF\)](#)

[GXW Email \(InDesign\)](#)

[Email Banner Grandstream Branded \(PNG\)](#)

[Email Banner non-branded \(PNG\)](#)

[Email Banner \(PSD, branded/non-branded\)](#)

[Deployments Image \(PNG\)](#)

[Email Text Copy](#)

## Blog

[Who can benefit from a Digital VoIP Gateway? \(Word\)](#)





# GXW4500 Series PowerPoint Presentation

Use this PowerPoint presentation to provide a detailed overview of the new digital VoIP gateways from Grandstream. This presentation covers, technical specifications, use-case verticals, and deployment scenarios.

Translations

[English](#)



# Marketing Assets

## 1. Product Images

- [GXW4500 Tiered Product Image](#)
- [Front](#)
- [Left angle](#)
- [Right angle](#)
- [Back](#)

## 2. Datasheet Feature icons

- [Gigabit](#)
- [Security](#)
- [Automated Provisioning](#)
- [Software Configurable](#)
- [HD Audio](#)
- [Fax](#)
- [Multi-Language](#)
- [Concurrent Calls](#)

## 3. Social Media banner

- [GXW PNG](#)
- [GXW PSD](#)

## 4. Web banners

- [GXW Square Banner 600x600 PNG](#)
- [GXW Square Banner AI](#)
- [GXW Banner 936x120 PNG](#)
- [GXW Banner AI](#)

## 5. Email banners

- [GXW Email Banner Branded PNG](#)
- [GXW Email Banner Non-Branded PNG](#)
- [GXW Email Banner PSD](#)

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