Partner Marketing Kit

HT Series Gateways & ATAs

HT Series Gateways & ATAs
Table of Contents

HT Series Gateways & ATAs
Sales Kit

The sales kit is a guide to everything you need to know about selling Grandstream ATA's and Gateways

The Sales Kit includes:
• Overview and Basics
• Key Differentiators
• Comparison Charts
• Deployment Scenarios
• Integration with other Grandstream Products

Translations

English

Spanish

Grandstream Gateways and ATAs
Overview and Basics

About the GXW and HT Series

Grandstream's GXW and HT gateway and ATA devices allow organizations to protect their analog communication investments and create a high-quality and manageable IP telephony hybrid solution. Whether an FXS or FXO solution is needed, Grandstream's GXW and HT portfolio provides a wide range of port options that are both affordable and support advanced telephony solutions.

Product Positioning

Grandstream's GXW and HT devices make integrating IP solutions easy and manageable. Whether integrating existing analog devices with a VoIP/SIP solution or creating a VoIP solution while using POTs lines, the GXW and HT series have a product for most scenarios.

Competitive Features

• FXS support from 1 to 48 FXS ports depending on model
• FXO support from 1 to 8 FXO ports depending on model
• Support for advanced telephony features such as 3-way conferencing, call transfer, call waiting, and more
• TLS and SRTP security encryption technology protects calls and accounts

Advanced telephony features supported

Automated provisioning on all models, GDMS.Cloud support on most models

Failover SIP server support on most models

GXW and HT Series Key Technical Specifications

	HT801 v2	HT802 v2	HT812 v2	HT813	HT814 v2	HT818 v2	HT841/HT881	GXW4200	GXW4500
FXS Ports	1	2	2	1	4	8	1	16/24/32/48	N/A
FXO Ports	0	0	0	1	0	0	4/8	0	N/A
SIP Profiles	1	2	2	2	2	2	3	4+	4+
E1/T1/J1 Ports	N/A								1/2/4
HD Audio	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Network Ports	One 100Mbps Ports		Two 1Gbps Ports	One 100Mbps Ports	Two 1Gbps Ports			One 1Gbps Port	

HT Series Gateways & ATAs
Comparison Chart - HT Serives v1 vs. v2

Translations

English

Spanish

HT Series Gateways & ATAs
Product Messaging - Analog FXO Gateways & ATAs

Tagline	HT Series Gateways & ATAs		
Subhead	The HT series Gateways and ATAs enables businesses of all sizes to create an easy-to-deploy VoIP solution		
Target Audience	Businesses and residential complexes that want to integrate analog devices with a SIP/VoIP solution		
Product Description	The HT gateway & ATA series enables businesses of all sizes to create an easy-to-deploy VoIP solution. These devices offer the ability to seamlessly connect multiple locations and all devices within an office to any hosted or on premise IP PBX network to make deploym ents as easy as possible. The series includes FXO and FXS ports to support remote calling to and from the PSTN line. Advanced telephony features, easy automated provisioning and superb voice quality allow the HT series to be the ideal VoIP gateway for businesses.		
Customer Challenges	A business needs to add analog phones, fax machines, PBX systems, and alarm systems to a SIP/VoIP network, either because they are expanding their network, building a new network, or upgrading to a SIP/VoIP platform.	A home, apartment, or residential complex wants to integrate analog phones, PBX systems, and alarm systems with a SIP/VoIP platform to maintain their investment in those devices while taking advantage of modern SIP platforms and services.	A school or university wants to utilize analog phones, fax machines, PBX systems, and alarm systems with a SIP/VoIP platform to maintain their investment in those devices while taking advantage of modern SIP platforms and services.
Customer Solutions	This series allows any organization or home to create a cost-effective hybrid IP and analog telephony solution that provides the benefits of VoIP communications while preserving investments in existing analog phones, fax machines and legacy PBX systems. They feature up to 8 FXO or FXS ports, superb voice quality, a suite of advanced telephony features, easy provisioning, flexible dialing plans, advanced security protection and support for high call volumes.		

HT Series Gateways & ATAs
Datasheets - HT841/HT881

Translations

English

French

German

Italian

Polish

Portuguese

Russian

Spanish

HT Series Gateways & ATAs
Datasheets - HT818 V2

Powerful 8 port FXS Gateway with Gigabit NAT Router
HT818 V2

Built for users looking for a strong analog-to-VoIP converter, the HT818 V2 is a powerful 8-port VoIP gateway with 8 FXS ports and an integrated Gigabit NAT router. It features Grandstream's market-leading SIP ATA/gateway technology with millions of units successfully deployed worldwide. This powerful gateway carries exceptional voice quality in various application environments, strong encryption with unique security certificate per unit, automated provisioning for volume deployment and device management, and outstanding network performance for enterprise use.

8 LINES — Supports 2 SIP profiles and 8 FXS ports

Strong AES encryption with unique security certificate per unit

Automated & secure provisioning options using TR069

3 WAY — 3-way voice conferencing per port

HD — Exceptional voice quality with wide-band HD codec

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

Gigabit — Supports dual Gigabit network ports

NAT — High performance NAT router

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Interfaces	
Telephone Interfaces	Eight (8) RJ11 FXS ports; can be expanded by peering with an FXS gateway
Network Interface	Two (2) 10/100/1000Mbps RJ45 ports
LED Indicators	POWER, NET1, NET2, PHONE1, PHONE2, PHONE3, PHONE4, PHONE5, PHONE6, PHONE7, PHONE8
Factory Reset Button	Yes
Voice, Fax, Modem	
Telephony Features	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
Voice Codecs	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.722, G.723.1, G.729A/B, G.726-32, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation
Fax over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
Short/Long Haul Ring Load	2 REN, up to 1km on 24AWG line
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Dial Methods	DTMF, Pulse
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Signaling	
Network Protocols	TCP/IP/UDP, RTP/RTCP (RFC1889, 1890), HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, SSH, Telnet, STUN (RFC3489, 5389), SIP (RFC3261), SIP over TCP/TLS, SRTP, SNMP, TR-069, IMS/3GPP, IPoE
QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS), Traffic Shaping
DTMF Method	In-audio, RFC2833 and/or SIP INFO
Provisioning and Control	HTTP, HTTPS, SSH, TFTP, TR-069 , secure and automated provisioning using AES encryption, syslog
Security	
Media	SRTP
Control	TLS/SIPS/HTTPS, SDP(RFC 2327), Refer (RFC 3515), Offer/Answer (RFC3265) SIP V2.0 (RFC 3261, 3262, 3264), RFC3261 ETC (3GPP TS 24.629, RFC 3515, RFC 3891, RFC 3892) SIP Session Timer (RFC 4028)
Management	Syslog support, SSH, remote management using web browser
Physical	
Universal Power Supply	Input: 100-240VAC, 50-60Hz Output: 12V/1.5A
Environmental	Operational: 32° – 123°F or 0° – 50°C Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing
Dimension and Weight	(L)180mm*(W)120mm*(H)36mm 356g
Compliance	FCC/CE/RCM

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Translations

English

French

German

Italian

Portuguese

Russian

Spanish

HT Series Gateways & ATAs
Datasheets - HT814 V2

GRANDSTREAM
CONNECTING THE WORLD

Powerful 4 port FXS Gateway with Gigabit NAT Router
HT814 V2

The HT814 V2 is an advanced 4-port VoIP gateway with 4 FXS ports and an integrated Gigabit NAT router. Built upon Grandstream's market-leading SIP ATA/gateway technology with millions of units successfully deployed worldwide, this powerful gateway features exceptional voice quality in various application environments, strong encryption with unique security certificate per unit, automated provisioning for volume deployment and device management, and outstanding network performance for home and office use.

4 LINES — Supports 2 SIP profiles and 4 FXS ports

Strong AES encryption with security certificate per unit

Automated & secure provisioning options using TR069

3 WAY — 3-way voice conferencing per port

HD — Exceptional voice quality with wide-band HD codec

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

Gigabit — Supports dual Gigabit network ports

NAT — High performance NAT router

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Interfaces	
Telephone Interfaces	Four(4) RJ11 FXS ports; can be expanded by peering with an FXS gateway
Network Interfaces	Two (2) 10/100/1000Mbps RJ45 ports
LED Indicators	POWER, NET1, NET2, PHONE1, PHONE2, PHONE3, PHONE4
Factory Reset Button	Yes
Voice, Fax, Modem	
Telephony Features	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
Voice Codecs	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.722, G.723.1, G.729A/B, G.726-32, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation
Fax Over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
Short/Long Haul Ring Load	2 REN, up to 1km on 24AWG line.
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Dial Methods	DTMF, Pulse
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Signaling	
Network Protocols	TCP/IP/UDP, RTP/RTCP (RFC1889, 1890), HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, SSH, Telnet STUN (RFC3489, 5389), SIP (RFC3261), SIP over TCP/TLS, SRTP, SNMP, TR-069, IMS/3GPP, IPoE
QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS), Traffic Shaping
DTMF Method	In-audio, RFC2833 and/or SIP INFO
Provisioning and Control	HTTP, HTTPS, SSH, TFTP, TR-069 , secure and automated provisioning using AES encryption, syslog
Security	
Media	SRTP
Control	TLS/SIPS/HTTPS, SDP(RFC 2327), Refer (RFC 3515), Offer/Answer (RFC3265) SIP V2.0 (RFC 3261, 3262, 3264), RFC3261 ETC (3GPP TS 24.629, RFC 3515, RFC 3891, RFC 3892) SIP Session Timer (RFC 4028)
Management	Syslog support, SSH, remote management using web browser
Physical	
Universal Power Supply	Input: 100-240VAC, 50-60Hz Output: 12V/1.0A
Environmental	Operational: 32° – 123°F or 0° – 50°C Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing
Dimension and Weight	28.5 x 130 x 90 mm (H x W x D) Weight: 0.29 Kg
Compliance	FCC/CE/RCM, K.21

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Translations

English

French

German

Italian

Polish

Portuguese

Russian

Spanish

HT Series Gateways & ATAs
Datasheets - HT812 V2

Translations

[English](#)

[French](#)

[German](#)

[Italian](#)

[Polish](#)

[Portuguese](#)

[Russian](#)

[Spanish](#)

GRANDSTREAM
CONNECTING THE WORLD

Powerful 2-port ATA with Gigabit NAT Router
HT812 V2

The HT812 V2 is an advanced 2-port analog telephone adapter (ATA) with 2 FXS ports and an integrated Gigabit NAT router. Built upon Grandstream's market-leading SIP ATA/gateway technology with millions of units successfully deployed worldwide, this powerful ATA features exceptional voice quality in various application environments, strong encryption with unique security certificate per unit, automated provisioning for volume deployment and device management, and outstanding network performance for home and office use.

2 LINES
Supports 2 SIP profiles and 2 FXS ports

Strong AES encryption with security certificate per unit

Automated & secure provisioning options using TR069

3 WAY
3-way voice conferencing per port

HD
Exceptional voice quality with wide-band HD codec

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

Gigabit
Supports dual Gigabit network ports

NAT
High performance NAT router

Interfaces	
Telephone Interfaces	Two (2) RJ11 FXS ports; can be expanded by peering with an FXS gateway
Network Interfaces	Two (2) 10/100/1000Mbps RJ45 ports
LED Indicators	POWER, NET1, NET2, PHONE1, PHONE2
Factory Reset Button	Yes
Voice, Fax, Modem	
Telephony Features	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
Voice Codecs	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.722, G.723.1, G.729A/B, G.726-32, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation
Fax Over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
Short/Long Haul Ring Load	3 REN, up to 1km on 24AWG line
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Dial Methods	DTMF, Pulse
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Signaling	
Network Protocols	TCP/IP/UDP, RTP/RTCP (RFC1889, 1890), HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, SSH, Telnet, STUN (RFC3489, 5389), SIP (RFC3261), SIP over TCP/TLS, SRTP, SNMP, TR-069, IMS/3GPP, IPoE
QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS), Traffic shaping
DTMF Method	In-audio, RFC2833 and/or SIP INFO
Provisioning and Control	HTTP, HTTPS, SSH, TFTP, TR-069 , secure and automated provisioning using AES encryption, syslog
Security	
Media	SRTP
Control	TLS/SIPS/HTTPS, SDP(RFC 2327), Refer (RFC 3515), Offer/Answer (RFC3265) SIP V2.0 (RFC 3261, 3262, 3264), RFC3261 ETC (3GPP TS 24.629, RFC 3515, RFC 3891, RFC 3892) SIP Session Timer (RFC 4028)
Management	Syslog support, SSH, remote management using web browser
Physical	
Universal Power Supply	Input: 100-240VAC, 50-60Hz Output: 12V/0.5A
Environmental	Operational: 32° – 123°F or 0° – 50°C Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing
Dimension and Weight	28.5 x 130 x 90 mm (H x W x D) Weight: 353.33g
Compliance	FCC/CE/RCM, K.21

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HT Series Gateways & ATAs
Datasheets - HT802 V2

Translations

English

French

German

Italian

Polish

Portuguese

Russian

Spanish

HT Series Gateways & ATAs
Datasheets - HT801 V2

GRANDSTREAM
CONNECTING THE WORLD

Easy-to-Use 1 port ATA
HT801 V2

The HT801 V2 is a single port analog telephone adapter (ATA) that allows users to create a high-quality and manageable IP telephony solution for residential and office environments. Its ultra-compact size, voice quality, advanced VoIP functionality, security protection and auto provisioning options enable users to take advantage of VoIP on analog phones. It also allows service providers to offer high quality IP service to their market. The HT801 V2 is an ideal ATA for individual use as well as commercial IP voice deployments

1 LINE — Supports 1 SIP profile through a single FXS port and a single 10/100Mbps port

TLS and SRTP security encryption technology to protect calls and accounts

Automated provisioning options include TR-069 and XML config files

3 WAY — Supports 3-way voice conferencing

Failover SIP server automatically switches to secondary server if main server loses connection

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

Supports a wide range of caller ID formats, call transfer, forward, hold, do not disturb, and more

ZERO CONFIG — Use with Grandstream's UCM series of IP PBXs for Zero Configuration provisioning

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Interfaces	
Telephone Interfaces	One (1) FXS port
Network Interfaces	One (1) 10/100Mbps auto-sensing ethernet port (RJ45)
LED Indicators	POWER, NET, PHONE
Factory Reset Button	Yes
Voice, Fax, Modem	
Telephony Features	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
Voice Codecs	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.722, G.723.1, G.729A/B, G.726-32, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation
Fax Over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
Short/Long Haul Ring Load	5 REN: Up to 1km on 24 AWG
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Dial Methods	DTMF, Pulse
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Signaling	
Network Protocols	TCP/IP/UDP, RTP/RTCP (RFC1889,1890), HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, SSH, Telnet, STUN (RFC3489, 5389), SIP (RFC3261), SIP over TCP/TLS, SRTP, SNMP, TR-069, IMS/3GPP, IPoE
QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, DiffServ, MPLS)
DTMF Method	In-audio, RFC2833 and/or SIP INFO
Provisioning and Control	HTTP, HTTPS, SSH, TFTP, TR-069, secure and automated provisioning using AES encryption, syslog
Security	
Media	SRTP
Control	TLS/SIPS/HTTPS
Management	Syslog support, SSH, remote management using web browser
Physical	
Universal Power Supply	Input: 100-240VAC, 50-60Hz Output: 5.0VDC/1.0A
Environmental	Operational: 32° – 104°F or 0° – 40°C Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing
Dimension and Weight	Dimensions: 100mm x 100mm x 29.5mm Weight: 102 g
Compliance	FCC: Part15B CE: EN55032, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1 RCM: AS/NZS CISPR22, AS/NZS60950.1, S003 K.21

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Translations

[English](#)

[French](#)

[German](#)

[Italian](#)

[Polish](#)

[Portuguese](#)

[Russian](#)

[Spanish](#)

HT Series Gateways & ATAs
Social Graphics

Use the editable template to customize your own social image by adding your logo, or create your own using the elements provided below. Photoshop files as well as PNGs are provided for each product. For paid social promotion it is recommended to use social images with limited to no text.

Social Image w/ Text

HT841/HT881 (PNG)
HT841/HT881 (PSD)

HT801 V2 / HT802 V2 (PSD)
HT801 V2 / HT802 V2 (PNG)

HT812 V2 (PSD)
HT812 V2 (PNG)

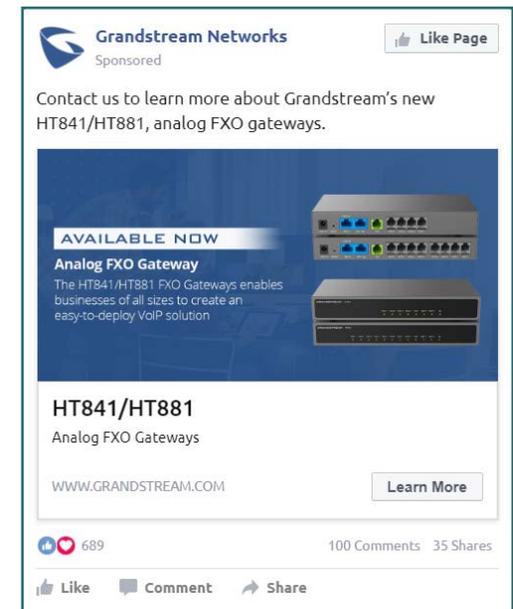### Social Image w/o Text

HT841/HT881 (PNG)

HT812 V2 / HT814 V2 / HT818 V2 (PNG)

HT801 V2 / HT802 V2 (PNG)

Suggested Social Post Copy

HT841/HT881

HT801 V2 / HT802 V2

HT812 V2

HT814 V2 / HT818 V2

HT Series Gateways & ATAs
Marketing Assets - HT841/HT881

Product Images
HT841/HT881_1
HT841/HT881_2

HT841/HT881_1   HT841/HT881_2

Feature Icons
SIP
NAT
Lifeline Support
3-way Conferencing
Auto-provisioning
Fax Support
Failover
Encryption

SIP   NAT   Lifeline Support   3-way Conferencing

Auto-provisioning   Fax Support   Failover   Encryption

HT Series Gateways & ATAs
Marketing Assets - HT818 V2

Product Images
HT818 V2_1
HT818 V2_2
HT818 V2_3

HT818 V2_1

HT818 V2_2

HT818 V2_3

Feature Icons
8 Lines
NAT
HD Voice
3-way Conferencing
Auto-provisioning
Fax Support
Security
Encryption

8 Lines

NAT

HD Voice

3-way Conferencing

Auto-provisioning

Fax Support

Security

Encryption

HT Series Gateways & ATAs
Marketing Assets - HT814 V2

Product Images
HT814 V2_1
HT814 V2_2
HT814 V2_3

HT814 V2_1

HT814 V2_2

HT814 V2_3

Feature Icons
4 Lines
NAT
HD Voice
3-way Conferencing
Auto-provisioning
Fax Support
Security
Encryption

4 Lines

NAT

HD Voice

3-way Conferencing

Auto-provisioning

Fax Support

Security

Encryption

HT Series Gateways & ATAs
Marketing Assets - HT812 V2

Product Images
HT812 V2_1
HT812 V2_2
HT812 V2_3

HT812 V2_1

HT812 V2_2

HT812 V2_3

Feature Icons
2 Lines
NAT
HD Voice
3-way Conferencing
Auto-provisioning
Fax Support
Security
Encryption

2 Lines

NAT

HD Voice

3-way Conferencing

Auto-provisioning

Fax Support

Security

Encryption

HT Series Gateways & ATAs
Marketing Assets - HT802 V2

Product Images
HT802 V2_1
HT802 V2_2
HT802 V2_3

HT802 V2_1

HT802 V2_2

HT802 V2_3

Feature Icons
2 Lines
Failover
Zero Config
3-way Conferencing
Auto-provisioning
Fax Support
Security
Caller ID

2 Lines

Failover

Zero Config

3-way Conferencing

Auto-provisioning

Fax Support

Security

Caller ID

HT Series Gateways & ATAs
Marketing Assets - HT801 V2

Product Images
HT801 V2_1
HT801 V2_2
HT801 V2_3

HT801 V2_1

HT801 V2_2

HT801 V2_3

Feature Icons
1 Line
Failover
Zero Config
3-way Conferencing
Auto-provisioning
Fax Support
Security
Caller ID

1 Line

Failover

Zero Config

3-way Conferencing

Auto-provisioning

Fax Support

Security

Caller ID

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