



Partner Marketing Kit



HT Series Gateways & ATAs

HT Series Gateways & ATAs

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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](#)

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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



Fallover 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/TT1/J1 Ports	N/A								
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 Series v1 vs. v2



HT8XX v1 vs v2 Comparison Chart

Model						
	HT801/HT802 v1	HT801/HT802 v2	HT812/HT814 v1	HT812/HT814 v2	HT818 v1	HT818 v2
CPU	ARM926, 400/400MHz	CORTEX-A35 1.3GHz (Faster processor)	ARM926, 500/600MHz	CORTEX-A35 1.3GHz (Faster processor)	ARM926, 500/600MHz	CORTEX-A35 1.3GHz (Faster processor)
DRAM	256Mbit SDRAM	512Mbit DDR2 (2x more RAM)	1Gbit DDR3	1Gbit DDR3L (2x more RAM)	2Gbit DDR3	2Gbit DDR3
Flash	128Mbit	1Gbit (8x more Flash)	128Mbit	1Gbit (8x more Flash)	1Gbit	1Gbit
Password	Each unit has the same default password. Upon initial login, the user will be prompted to update their password.	Unique random default password per unit	Each unit has the same default password. Upon initial login, the user will be prompted to update their password.	Unique random default password per unit	Each unit has the same default password. Upon initial login, the user will be prompted to update their password.	Unique random default password per unit
Web User Interface	Old HTML webUI	Brand new webUI design	Old HTML webUI	Brand new webUI design	Old HTML webUI	Brand new webUI design
Forward Error Correction & Redundancy	Not Supported	Supports Forward Error Correction (FEC) and REDundancy Encoding, resulting in better anti packet loss performance	Not Supported	Supports Forward Error Correction (FEC) and REDundancy Encoding, resulting in better anti packet loss performance	Not Supported	Supports Forward Error Correction (FEC) and REDundancy Encoding, resulting in better anti packet loss performance
Concurrent RTP Channels	-	-	-	-	Maximum (12 * G711)	Maximum 8 * (TLS +SRTP + Opus) + 8 * (TLS + SRTP + G711)
LED Indicators	HT801 v1 - POWER, INTERNET, PHONE HT802 v1 - POWER, INTERNET, PHONE1, PHONE2	HT801 v2 - POWER, NET, PHONE HT802 v2 - POWER, NET, PHONE1, PHONE2	HT812 v1 - POWER, LAN, WAN, PHONE1, PHONE2 HT814 v1 - POWER, LAN, WAN, PHONE1, PHONE2, PHONE3, PHONE4	HT812 v2 - POWER, NET1, NET2, PHONE1, PHONE2 HT814 v2 - POWER, NET1, NET2, PHONE1, PHONE2, PHONE3, PHONE4	POWER, LAN, WAN, PHONE1, PHONE2, PHONE3, PHONE4, PHONE5, PHONE6, PHONE7, PHONE8	POWER, NET1, NET2, PHONE1, PHONE2, PHONE3, PHONE4, PHONE5, PHONE6, PHONE7, PHONE8

Translations

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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 deployments 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



Analog FXO Gateway
HT841/HT881

The HT841/881 FXO gateway series enables businesses of all sizes to create an easy-to-deploy VoIP solution. These FXO gateways 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 deployments as easy as possible. The HT8x1 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 HT8x1 series to be the ideal VoIP gateway for businesses.



SIP

Supports 3 SIP profiles through 1 FXS port and 4/8 FXO ports



NAT

High performance NAT router



Relay

Lifeline support (FXS port will be hard-relayed to FXO port) in case of power outage



3 WAY

3-way voice conferencing per port



Provisioning

Automated & secure provisioning options using TRO69



Fax

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



Failover

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



Encryption

Strong AES encryption with security certificate per unit

Interfaces	
Telephony Interface	HT841: 4 RJ11 FXO ports/1 RJ11 FXS HT881: 8 RJ11 FXO ports/1 RJ11 FXS
Network Interface	Two 10/100/1000Mbps RJ45 ports, one with 802.3af PoE-PD support Note: Up to 1000Mbps in Bridge mode, up to 100Mbps in NAT mode
LED Indicators	POWER, NET1, NET2, FXS, FXO
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.723.1, G.729, G.726, uLBC, 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 Lead	3 REN: Up to 11m on 24 AWG
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Signaling	
Network Protocols	TCP/IP, UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069
QoS	Layer 2 (802.1Q VLAN, SIP/RTSP 802.1p) and Layer 3 (ToS, DiffServ, MPLS)
DTMF Method	In-audio, RFC2833 and/or SIP INFO
Provisioning and Control	HTTP, HTTPS, TFTP, SSH, TR-069, secure and automated provisioning using AES encryption, syslog
Security	
Media	SRTP
Control	TLS/SIPS/HTTPS
Management	Syslog support, Telnet, SSH, Remote management using web browser
Physical	
Universal Power Supply	POE Input: 48 V / 0.5 A DC Input: 24V/1A
Environmental	Operational: 32° - 104°F Storage: 14° - 140°F Humidity: 10 - 90% Non-condensing
Dimension and Weight	190mm x 100mm x 28mm (L x W x D) Weight: 0.46KG
Compliance	FCC/CE/RCM/UKCA

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Translations

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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

Strong AES encryption with unique security certificate per unit

Automated & secure

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

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 Codes	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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HT Series Gateways & ATAs

Datasheets - HT814 V2



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
- Gigabit**: 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 Codescs	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, K21

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HT Series Gateways & ATAs

Datasheets - HT812 V2



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 voice conferencing per port



Exceptional voice quality with wide-band HD codec



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



Supports dual Gigabit network ports



High performance NAT router

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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 14.4kbps 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, FTP, SSH, Telnet, STUN (RFC3489, 5389), SIP (RFC3261), SIP over TCP/TLS, SRTP, S/MIME, 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, FTP, 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 V.2.0 (RFC 3261, 3262, 3264), RFC3261 ETC (3GPP TS 24.629, RFC 3515, RFC 3891, RFC 3892) SIP Session Timer (RFC 4029)
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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Translations

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HT Series Gateways & ATAs

Datasheets - HT802 V2



Easy-to-Use 2 port ATA
HT802 V2

The HT802 V2 is a 2 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 and enables service providers to offer high quality IP service. The HT802 V2 is an ideal ATA for individual use and for large scale commercial IP voice deployments.

2 LINES

Supports 2 SIP profiles through 2 FXS ports and a single 10/100Mbps port

Security

TLS and SRTP security encryption technology to protect calls and accounts

Provisioning

Automated provisioning options include TR-069 and XML config files

3 WAY

Supports 3-way voice conferencing

Failover

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

Fax

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

Caller ID

Supports a wide range of caller ID formats, 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	Two (2) RJ11 FXS ports
Network Interfaces	One (1) 10/100Mbps auto-sensing ethernet ports (RJ45)
LED Indicators	POWER, NET, 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 Codes	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 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, SWAP, TR-069, IMS/SIP, IPSE
QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p), Layer 3 (ToS, DiffServ, MPLS)
DTMF Method	In-audio, RFC3833 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	100mm x 100mm x 29.5mm, 114g (without package)
Compliance	FCC 15B, AS/NZS CISPR22, AS/NZS60950, EN55022, EN55024, EN60950, EN61000-3-2, EN61000-3-3, UL (Power supply) K21

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HT Series Gateways & ATAs

Datasheets - HT801 V2



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

SECURITY

TLS and SRTP security encryption technology to protect calls and accounts

PROVISIONING

Automated provisioning options include TR-069 and XML config files

3 WAY

Supports 3-way voice conferencing

FALLOVER

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

FAX

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

CALL HANDLING

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 Codescs	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, NAT, 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 \(PNG\)](#)

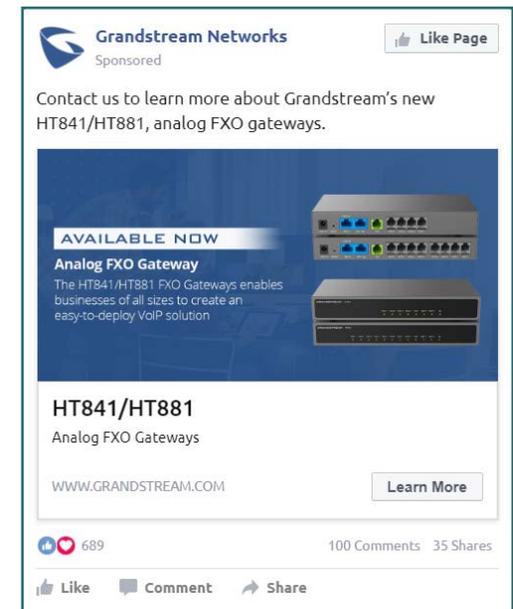


Social Image w/o Text

[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