



## Powerful 4 port FXS Gateway with Gigabit NAT Router HT814

The HT814 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.



Supports 2 SIP profiles and 4 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

<b>Interfaces</b>	
<b>Telephone Interfaces</b>	Four(4) RJ11 FXS ports; can be expanded by peering with an FXS gateway
<b>Network Interfaces</b>	Two (2) 10/100/1000Mbps RJ45 ports
<b>LED Indicators</b>	POWER, LAN, WAN, PHONE1, PHONE2, PHONE3, PHONE4
<b>Factory Reset Button</b>	Yes
<b>Voice, Fax, Modem</b>	
<b>Telephony Features</b>	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
<b>Voice Codecs</b>	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.722, G.723.1, G.729A/B, G.726, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation
<b>Fax Over IP</b>	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
<b>Short/Long Haul Ring Load</b>	2 REN, up to 1km on 24AWG line.
<b>Caller ID</b>	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
<b>Disconnect Methods</b>	Busy Tone, Polarity Reversal/Wink, Loop Current
<b>Signaling</b>	
<b>Network Protocols</b>	TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, SSH, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069, IMS/3GPP
<b>QoS</b>	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS)
<b>DTMF Method</b>	In-audio, RFC2833 and/or SIP INFO
<b>Provisioning and Control</b>	HTTP, HTTPS, SSH, TFTP, TR-069 , secure and automated provisioning using AES encryption, syslog
<b>Security</b>	
<b>Media</b>	SRTP
<b>Control</b>	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)
<b>Management</b>	Syslog support, SSH, remote management using web browser
<b>Physical</b>	
<b>Universal Power Supply</b>	Input: 100-240VAC, 50-60Hz Output: 12V/1.0A
<b>Environmental</b>	Operational: 32° – 104°F or 0° – 50°C Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing
<b>Dimension and Weight</b>	28.5 x 130 x 90 mm (H x W x D) Weight: 0.29 Kg
<b>Compliance</b>	FCC/CE/RCM, K.21