GRANDSTREAM
CONNECTING THE WORLD



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.

- Supports 3 SIP profiles through 1 FXS port and 4/8 FXO ports
- High performance NAT router
- Lifeline support (FXS port will be hard-relayed to FXO port) in case of power outage
- 3-way voice conferencing per port
- Automated & secure provisioning options using TR069
- Supports T.38 Fax for reliable Fax-over-IP
- Failover SIP server automatically switches to secondary server if main server loses connection
- 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.726-32, 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 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), Traffic Shaping
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: 4 8 V / 0 . 5 A DC Input: 12V/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
Package Contents	1x HT841/HT881, 1x Ethernet Cable, 1x Quick Installation Guide (Power Supply Not Included)
Compliance	FCC/CE/RCM/IC/UKCA