



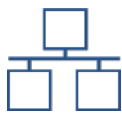
## Hybrid ATA with FXS and FXO ports

### HT813

The HT813 is an analog telephone adapter that features 1 analog telephone FXS port and 1 PSTN line FXO port in order to offer backup lifeline support using a PSTN line. The integration of a FXO and FXS port enables this hybrid ATA to support remote calling to and from the PSTN line. For added flexibility, the FXS port extends VoIP service to one analog device. Users can convert their analog technology to VoIP thanks to the HT813's ultra-compact size, HD voice quality, advanced VoIP functionality, high-end security protection and multiple auto provisioning options. These advanced features also allow service providers to offer high quality IP service to customers looking to upgrade to VoIP.



Supports 2 SIP profiles through 1 FXS port and 1 FXO port



Dual 100Mbps LAN and WAN ports



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

<b>Telephone Interfaces</b>	One (1) RJ11 FXS port, One (1) RJ11 FXO PSTN line port with lifeline support
<b>Network Interface</b>	Two (2) 10/100Mbps ports (RJ45) with integrated NAT router
<b>LED Indicators</b>	POWER, LAN, WAN, FXS, FXO
<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>	3 REN: Up to 1km on 24 AWG
<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, TELNET, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069
<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, TFTP, SSH, TR-069, secure and automated provisioning using AES encryption, syslog
<b>Security</b>	
<b>Media</b>	SRTP
<b>Control</b>	TLS/SIPS/HTTPS
<b>Management</b>	Syslog support, telnet, SSH, remote management using web browser
<b>Physical</b>	
<b>Universal Power Supply</b>	Input: 100-240VAC, 50-60Hz Output: 12V/0.5A
<b>Environmental</b>	Operational: 32° – 104°F or 0° – 40°C Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing
<b>Dimension and Weight</b>	130.5 x 90.5 x 29 mm (L x W x D) Weight: 0.142Kg
<b>Compliance</b>	FCC/CE/C-TICK/ITU-K.21