SPEED TECHNOLOGY®
An ISO 9001 : 2015 Certified Company

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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.

2 LINES

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

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

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Telephone Interfaces	One (1) RJ11 FXS port, One (1) RJ11 FXO PSTN line port with lifeline support
Network Interface	Two (2) 10/100Mbps ports (RJ45) with integrated NAT router
LED Indicators	POWER, LAN, WAN, 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.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 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), Tra翩 c 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	Input: 100-240VAC, 50-60Hz Output: 12V/0.5A
Environmental	Operational: 32º – 104ºF or 0º – 40ºC Storage: 14º – 140ºF or -10º – 60ºC Humidity: 10 – 90% Non-condensing
Dimension and Weight	130.5 x 90.5 x 29 mm (L x W x D) Weight: 0.142Kg
Compliance	FCC/CE/C-TICK/ITU-K.21