

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 Faxover-IP



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



Strong AES encryption with security certificate per unit

Voice Codecs G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLB OPUS, dynamic jitter buffer, advanced line echo cancellation Fax over IP 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 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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A		
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, iLB Oyus, 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 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 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/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS) DTMF Method In-audio, RFC2833 and/or SIP INFO Provisioning and Control HTTP, HTTPS, STFT, 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	Telephone Interfaces	One (1) RJ11 FXS port, One (1) RJ11 FXO PSTN line port with lifeline support
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, iLB 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 Fass-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 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 TETP, TELNET, STUN, SIP (REC3261), SIP over TCP/TLS, SRTP, TR-069 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, 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	Network Interface	Two (2) 10/100Mbps ports (RJ45) with integrated NAT router
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, iLB OPUS, dynamic jitter buffer, advanced line echo cancellation Fax over IP 7.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fass-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 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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	LED Indicators	POWER, LAN, WAN, FXS, FXO
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, iLB 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 Fass-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 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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Factory Reset Button	Yes
Voice Codecs G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLB OPUS, dynamic jitter buffer, advanced line echo cancellation Fax over IP 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 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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Voice, Fax, Modem	
Fax over IP Fax over IP Fax over IP 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 Disconnect Methods Signaling Network Protocols Cayer 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 Security Media SRTP Control TLS/SIPS/HTTPS Syslog support, telnet, SSH, remote management using web browser Physical Universal Power Supply In a Cayer Security Short Supply Open Securit 2100-240VAC, 50-60Hz Output: 12V/0.5A	Telephony Features	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
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 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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Voice Codecs	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation
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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Fax over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
Disconnect Methods 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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Short/Long Haul Ring Load	3 REN: Up to 1km on 24 AWG
Network Protocols TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP TETP, TELNET, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069) QoS	Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
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/RTP 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 Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
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, 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	Signaling	
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	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
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	QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS)
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	DTMF Method	In-audio, RFC2833 and/or SIP INFO
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	Provisioning and Control	· · · · · · · · · · · · · · · · · · ·
Control TLS/SIPS/HTTPS Management Syslog support, telnet, SSH, remote management using web browser Physical Universal Power Supply Input: 100-240VAC, 50-60Hz Output: 12W/0.5A	Security	
Management Syslog support, telnet, SSH, remote management using web browser Physical Universal Power Supply Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Media	SRTP
Physical Universal Power Supply Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Control	TLS/SIPS/HTTPS
Universal Power Supply Input: 100-240VAC, 50-60Hz Output: 12V/0.5A	Management	Syslog support, telnet, SSH, remote management using web browser
Output: 12V/0.5A	Physical	
0 1 1 000 1005 00 1005	Universal Power Supply	Input: 100-240VAC, 50-60Hz Output: 12V/0.5A
Operational: 32° – 104°F or 0° – 40°C Environmental Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing	Environmental	
Dimension and Weight 130.5 x 90.5 x 29 mm (L x W x D) Weight: 0.142Kg	Dimension and Weight	
Committee of FCC/CF/C TICK/ITLL V 24	Compliance	FCC/CE/C-TICK/ITU-K.21