



OVERTEK OT-ATA200SP+
SIP/IAX2 VoIP ATA
Data Sheet

OVERTEK OT-ATA200SP+ SIP/IAX2 VoIP ATA:

The OVERTEK OT-ATA200SP+ is a VoIP ATA (Analog Telephone Adaptor) that offers 1 FXS port and 1 PSTN port for making/receiving VoIP and PSTN Telephone calls. It supports SIP and IAX2 protocols, there are 2 SIP and 1 IAX2 accounts able to be registered with it. With the PSTN port, you will have a back-up telephone line even in an emergency, such as Power Cut, Fire Alarm, etc.

The OVERTEK OT-ATA200SP+ offers 1 WAN and 1 LAN port for Internet and PC connections. With 1 FXS and 1 PSTN interfaces, you can make/receive VoIP and PSTN telephone calls at your own options. With 2 Ethernet Interfaces, you can connect to an Ethernet Switch to share the same Internet Connection to other local LAN PCs.

Embedded with the world class VoIP software, the OVERTEK OT-ATA200SP+ is compatible with most SIP servers that are built on standard RFCs.

It supports Auto provisioning that enables ISP (Internet Service Provider) update and maintain the ATA devices remotely without any human involvement. It is a good option for applying Voice Over IP service for Home subscribers.

Main Features:

- Offers 1 FXS port and 1 PSTN port
- Offers 1 FXS port for connecting to an Analog Telephone to make/receive VoIP calls.
- The FXS port can also be connected to a T.38 Fax machine to make/receive Fax
- Offers 1 PSTN interface for making/receiving PSTN telephone calls
- Offers PSTN back-up, you can make/receive PSTN calls in emergency, such as Power Cut, Internet Failure.

- Support SIP and IAX2 protocols
- Support SIP protocol, there are 2 SIP accounts able to be registered
- Support IAX2 protocol, there is 1 IAX2 account able to be registered
- Support DTMF Relay, DTMF Sip Info and RFC2833 DTMF modes
- Support standard RFCs, offers good compatibility to most VoIP servers, IP PBXs
- Support RFC2543, RFC3261 SIP V1, SIP V2 standards
- Support SIP Keep Alive
- Support Point to Point calls, make/receive calls without SIP registration

Built-in 2 Port Broadband Router:

- 1 WAN port for connecting to the Internet connection
- 1 LAN port for connecting to a PC or to an Ethernet Switch to share the same Internet Connection to other LAN PCs
- Support PPPOE, Static IP, DHCP and Bridge mode, support DNS relay
- Support DHCP Server and DHCP Client
- Support MMF Filter, NAT, Firewall with In-access and Out-access control
- Support IPsec ALG, PPTP ALG, FTP ALG and NAT Table
- Support IEEE802.1Q Data VLAN and Voice VLAN
- Support configurable HTTP WEB port, RTP port

Good Voice Quality:

- Support IEEE802.1P QOS to ensure voice packets pass through in priority mode
- Support G.165 compliant 32ms Echo Cancellation
- Support Auto-negotiable G.711alaw/ulaw, G.726, G.729 voice codecs
- ATA choose the appropriate voice codecs for different networking environment.
- Support VAD,CNG,AEC to ensure good Voice quality
- Auto Provisioning

- Embedded Auto Provisioning configuration module
- Support configuring Auto Provisioning through HTTP WEB
- Support DHCP Option 66 Auto Provisioning
- Support AES Encryption for Auto Provisioning
- Customizable TR-069 management

Support VPN:

- Support L2TP VPN to anti-block of VOIP packets
- Support PPTP VPN to anti-block of VOIP packets

Call Features and other features:

- Support E.164 dial plan and customized dial rules
- Support polarity reversal,
- Support SNTP
- Support Hotline function, which enables user make calls without dialing
- Support Call Forward, Three-way conference, Caller ID display, Do Not Disturb, Black List, Call Limit, Call waiting
- Support configurable Digital Map
- Management
- Support Auto-Provisioning, helps upgrade devices from an appointed server automatically
- Support HTTP WEB, Telephone Keypad management,
- Support Admin and User authorizations,
- Support CLI commands, Telnet management
- Networking Specifications:
- MAC Address / TCP: Transmission Control Protocol
- DHCP: Dynamic Host Configuration Protocol / PPPoE: PPP Protocol over Ethernet / Static IP
- SNTP, Simple Network Time Protocol
- STUN - Simple Traversal of User Datagram
- MD5 Message-Digest Algorithm / AES Encryption
- DNS Domain Name Server
- RTP: Real-time Transport Prot / RTCP: Real-time Control Prot
- Telnet: Internet remote login protocol
- HTTP: Hyper Text Transfer protocol / FTP: File Transfer protocol / TFTP: Trivial File Transfer Protocol
- SIP: RFC3261, RFC 2543 / IAX2: RFC 5456
- Tone generation and Local DTMF re-generation according with ITU-T
- AGC(Auto Gain Control), G.168/165 compliant 16ms echo cancellation, AEC(Auto Echo Cancellation)
- VAD (Voice Activity Detection), CNG(Comfort Noise Generation)

Operating Environment:

- Operating Temperature:0°C to 40°C (33°C to 104°C)
- Storage Temperature -10°C to 60°C (-22°C to 149°C)
- Relative Humidity: 10%-90%, non-condensing

Main Application:

- Voice Over IP (VOIP) application for Home and Small Office Users
- Fax Over IP (FOIP) application for Home and Small Office Users

Specification:

| | | |
|----------------------|---|--------------|
| Standards | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.1P, IEEE 802.1Q, RFC1155, RFC1157, RFC1112, RFC1113, RFC2833, RFC2543, RFC3261, RFC5456 | |
| WAN Port | 1 Port 10/100Base-Tx | |
| LAN Ports | 1 Port 10/100Base-Tx | |
| PSTN Port | 1 RJ11 PSTN LIFE LINE Port for PSTN Line-in | |
| VoIP Port | 1 RJ11 FXS Port for VoIP | |
| VoIP Accounts | 2 SIP and 1 IAX2 accounts can be registered simultaneously | |
| FAX | Support T.38 Fax | |
| Voice Codecs | G.711Alaw, G.711Ulaw, G.726, G.729 | |
| VLAN | IEEE802.1Q Data VLAN and Voice VLAN | |
| QOS | IEEE802.1P QOS, Diffserv | |
| Auto Provisioning | Embedded Auto Provisioning module, DHCP Option 66 | |
| LED Indicators | Power, WAN, LAN, SYS, PSTN, VoIP | |
| Ethernet Cable | 10Base-Tx: UTP category 3, 4,5 or above, 100m max 100Base-Tx: UTP category 5 or above, 100m max | |
| Power Supply | AC 96-260V, DC 12V, 0.5A, External Power Supply | |
| Temperature Humidity | | Temperature |
| | Working | 0°C - 40°C |
| | Standby | -10°C - 60°C |