

Cisco ATA 191 Analog Telephone Adapter (ATA)



Product Name: Cisco ATA 191 Analog Telephone Adapter (ATA)

Manufacturer: Cisco Systems

Model Number: ATA191

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The Cisco ATA191 turns traditional telephone, fax, and overhead paging communications devices into IP devices for greater cost-effectiveness. Customers can take advantage of IP telephony applications by connecting their analog devices to Cisco analog telephone adapters.

Cisco ATA191 Key Features

- Enables high-quality VoIP service with a comprehensive feature set through a broadband internet connection
- Provides a complete security solution for both media and signaling
- Offers clear, natural-sounding voice quality via advanced processing, high-performance echo cancellation, voice activity detection and comfort noise generation
- Improves servicability with a dedicated PRT button for problem reporting and log collection
- Enables IPv6 dual stack to help migration to IPv6
- Enables zero-touch provisioning via TR-069 and XML configuration files
- 2 x RJ-11 FXS ports
- 1 x 10/100 Mbps RJ-45 Ethernet Port
- LED Indicators: power, network, phone 1, phone 2 and PRT
- Wall mountable

The Cisco ATA191 is the preferred solution to address the needs of customers who connect to enterprise networks, small offices, or the emerging unified communications as a service from the cloud. It has two standard FXS ports, which can be configured independently as two Session Initiation Protocol (SIP) registrations. With the ATA 191, customers can protect and extend their existing investment in analog systems, as well as smooth their migration to pure voice over IP in an affordable and reliable way.

Cisco ATA191 - Technical Specifications

Physical

- Dimensions (H×W×D): 3.9 x 3.9 x 1 in. (100 × 100 × 28 mm)
- Weight: 4.7 oz (132.1 g)
- Interface: Two RJ11 FXS ports, one 10/100 Mbps RJ-45 Ethernet port, power button: reset and PRT
- LED indicators: Power, Network, Phone 1, Phone 2, PRT
- Wall mountable

Subscriber Line Interface Circuit (SLIC)

- Ring voltage: 40 to 90 Vpk configurable
- Ring frequency accuracy: 1%
- Ring waveform: Trapezoidal or sinusoidal
- Maximum ringer load: 3 Ringer Equivalence Numbers (RENs)
- On-hook voltage (tip and ring): -46 to -56V
- Off-hook current: 25mA +/-10%
- Terminating impedance: 600 ohm resistive, 900 ohm resistive, or 220 ohm + 820 ohm 120 nF complex impedance
- Frequency response: 300 to 3400 Hz
- Return loss (600 ohm, 300 to 3400 Hz): up to 26 dB
- Idle channel noise: <-65 dBm 0p
- Longitudinal balance: 58 dB (typical)
- Voice quality Mean Opinion Score (MOS): >4.0

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• Voice quality jitter: <150ms

Networking

- MAC address
- IPv4 only
- IPv6 only
- IPv4/IPv6 dual stack
- Session Initiation Protocol (SIP)
- Transmission Control Protocol (TCP)
- User Datagram Protocol (UDP)
- Real Time Protocol (RTP)
- Real Time Control Protocol (RTCP)
- HTTP
- Secure HTTP (HTTPS)
- Trivial File Transfer Protocol (TFTP)
- Address Resolution Protocol (ARP)
- DNS A and AAAA records
- Dynamic Host Configuration Protocol (DHCP) client
- Internet Control Message Protocol (ICMP)
- Simple Network Time Protocol (SNTP)
- Cisco Discovery Protocol (CDP)
- Link Layer Discovery Protocol (LLDP)

Quality of Service (QoS)

- IEEE 802.1p/Q (QoS and VLAN tagging)
- Differentiated Services (DiffServ) / Type of Service (ToS)

Telephony

- Call forwarding: No answer, busy, and all
- Call hold and resume
- Caller ID generation (name and number): Bellcore, BT, and European Telecommunications Standards Institute (ETSI)
- Caller ID with name and number
- Call pickup and group pickup
- Call transfer
- Call waiting
- Conference
- Configurable ring frequency
- Country-specific tones and cadences
- Disconnect tone
- Distinctive ringing: Calling and called number
- Forced Authorization Code (FAC)/Client Matter Code (CMC)
- Failover and fall back
- Flash hook timer
- Hook flash event signaling
- Hotline and warm line calling
- Message Waiting Indicator (MWI) tones
- Music on hold
- Off-hook warning tone
- Polarity control
- Redial
- Share lines

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- Speed dial
- Tip and ring voltage adjustment setting
- Visual Messaging Waiting Indicator (VMWI) using Frequency Shift Keying (FSK)

Audio

- Codec: G.711 a-law, G.711 μ -law, G.729a, G.729ab
- Full duplex audio
- Echo cancellation
- Voice activity detection
- Silence suppression
- Comfort noise generation
- Adaptive jitter buffer
- Frame loss concealment
- Adjustable audio frames per packet
- Call progress tone generation
- Impedance and gain adjustment
- Dynamic audio payload

Fax and modem

- Real-time fax over IP via T.38 fax relay (Group 3)
- Fax pass-through via G.711 (Group 3)
- Fax tone detection and pass-through
- Auto negotiation on transmission rate

Provisioning and management

- Central configuration
- Interactive Voice Response (IVR)
- Automated provisioning and upgrading via HTTP and TFTP
- SSH access
- Nonintrusive, in-service upgrades
- Report generation and event logging
- Dedicate PRT button
- Support RTP statistics
- Syslog (multilevel granularity)
- Dual image

Security

- System reset to factory default
- Password-protected administrator access authority
- Provisioning, configuration, and authentication
- HTTPS with factory-installed client certificate
- Advanced Encryption Standard (AES) encryption
- SIP over Transport Layer Security (TLS) 1.1 and 1.2
- Secure (encrypted) calling using Secure RTP (sRTP)
- Encrypted TFTP configuration files
- Image authentication
- Secure boot
- Secure Shell (SSH)

Power

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- DC input voltage: 5V DC at 2.0A maximum
- Power consumption: 5W
- Switching type (100 to 240V) automatic
- Power adapter: 100 to 240V and 50 to 60 Hz (26 to 34 VA) AC input, with 6-ft (1.8-m) cord

Reliability

- Mean Time Between Failures (MTBF): 300,000 hours
- Operating temperature: 32° to 104°F (0° to 40°C)
- Nonoperating temperature: 14° to 140°F (-10° to 60°C)
- Humidity: Operating 10% to 90%, noncondensing; nonoperating 10% to 95%, noncondensing

Price: £89.20
