

VoIP GSM Gateway



Aria Telecom Solutions Pvt Ltd

www.ariatelecom.net



/ariatelecomsolutions



/atsplindia



/company/465988/

ABOUT ARIA

- Since 2003 Aria Telecom is working hard towards satisfaction of our clients, With our team efforts & our clients support we became India's No 1 IVR, Voice Logger & in Many more customized telecom solutions company.
- Aria has team of qualified engineers for R&D & support.
- Aria also has most experienced team of marketing managers with technical background to understand client requirements.
- Aria has presence in most of the metro cities in India. Aria also has clients outside India like Nepal, Bhutan, African & Arab countries.
- We got Technology Excellence Award – for customized solutions-2017
- Technology Excellence Award – Leaders in IVR -2013
- Global Business & Services Award – Leader in Customized Telecom Solution 2013
- ISO 9001:2015 Certified Company
- Registered with MSME (Micro, Small & Medium_Enterprise)
- Registered with NSIC (National Small Industries Corporation of India)
- CMMI Level 3 Company

ARIA PRODUCT PROFILE

Software Applications/solutions

- **Omni-Channel Communication System**-It's Unified communication system that integrates with telephony, CRM, SMS, E-mail, Web Chat, Social Media (Facebook & Twitter), Mobile App, Websites ,API etc.
- Complaint Management System (CRM).
- **IVR Software** (Interactive Voice Response)
- **Aria Namaste! - Live Chat** – it is an unified application, generally used for live monitoring the live conversations in real time.
- **Android Based Contact Centre Solution:** It works with an inbuilt Aria CRM, it enables your Android Phone to act as a call centre device
- **Web Portal** – We also into the designing of websites in an advance manner
- Custom Web and Windows-based application development
- System integration.
- Databases and programming
- Third-party software integration

Hardware Products Range

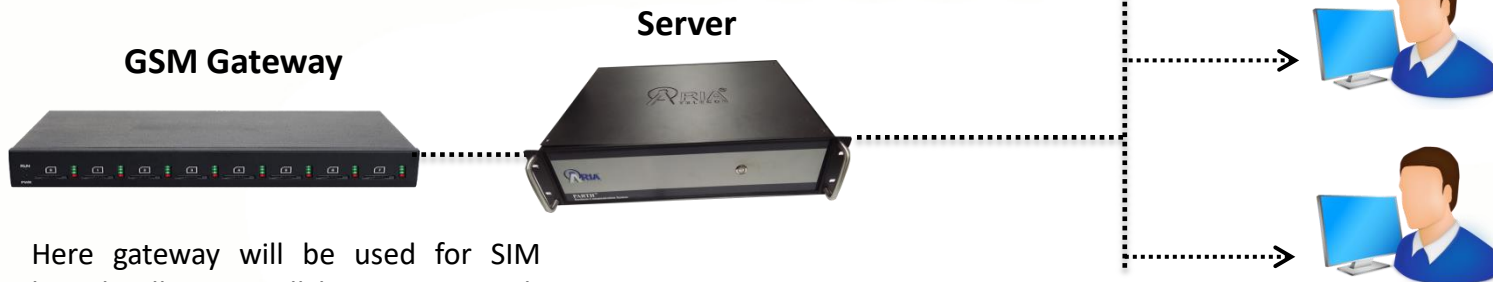
- **Aria Call Centre Noise Telephone Headsets** - High quality call centre Noise cancelling Telephone Headset
- **TVRS** - Telephone Voice Recording System (Logger)
- **Embedded Voice Logger** - Non PC Based Voice Logger
- **GSM Gateway:** Device to connect GSM/CDMA SIM with your EPABX or Dialer.
- **FXO/FXS Gateway**
- **Parth UCS (Call Centre Suite)**-Inbound outbound complete contact centre solution
- **Parth UCS Conference Bridge**
- **Business Communication System:** multifunctional enterprise gateway that integrates voice service and data service.
- **Parth IP PBX System**
- **GSM FCT:** Fixed Cellular Terminal
- **Aria IP Phone**

What is GSM Gateway ?

- A GSM gateway is a piece of equipment that turns an expensive call from an office land line to a mobile phone into a call from within the GSM network.
- GSM Gateway, called also as GSM VoIP Gateway, is a device that make possible of direct routing between IP, GSM, Digital, and Analog networks. Aria Telecom is a professional manufacture of VoIP products and also provides ACOM brand VoIP communication device and solution.



Network Diagram



Here gateway will be used for SIM based calling, it will be connect with server via RJ45 cable

Agent PCs installed with soft phone with headset

Each system is connected with LAN and using soft phone with headset

Models:



4 Port GSM Gateway



8 Port GSM Gateway



16 Port GSM Gateway



32 Port GSM Gateway

Key Features:

- Available with 4, 8, 16, 32 port GSM channels
- GSM: Quad-band 850/900/1800/1900MHz
- CDMA: 800MHz
- Easy to Conduct SIM Rotation Locally
- Built-in Bandwidth Saving
- Signaling & RTP Encryption
- HTTP API for SMS integration
- Auto Update SIM Number and Balance Check
- No Balance Alarm
- Flexible Dial Rules and Manipulation Rules
- USSD, Open API for SMS/USSD
- BCCH
- PIN Code Management
- Remote SIM Card Management (SIM Cloud)

Specification:

- Silence Suppression
- Comfort Noise Generator(CNG)
- Voice Activity Detection(VAD)
- Protocol: SIP v2.0, RFC3261
- SIM Interface: 1.8v, 3.0v SIM Interface
- SMS Send and Receive
- SMS to Email
- Call Waiting/Call Back
- Call Forward
- Calling Type: Mobile to VoIP, VoIP to Mobile
- Signaling & RTP Encryption
- IVR Customization
- Configure Backup/Restore
- VoIP Call Statistics
- Power Supply: 100-240VAC,50-60Hz

CDR Reports



Web Management System

CDR Report

Enable CDR No Yes

Port:

Source:

Destination:

CDR Oper:

Total: 14Item 50Item/Page 1/1Page

| rt | Start Time | Answer Time | Direction | Source | Destination | PeerIP | PeerPort | LocalIP | LocalPort | Codec | FAX | Reason | EndCode | Session State | Duration (s) | RTPSend | RTP Recv | RTP Loss(%) | Jitter(ms) |
|----|---------------------|---------------------|-----------|------------|-------------|---------------|----------|---------------|-----------|-------|-----|-------------|---------|---------------|--------------|---------|----------|-------------|------------|
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 7709825499 | 12345 | 192.168.1.221 | 14820 | 192.168.1.222 | 8000 | PCMU | -- | Recv BYE | 200 | Normal | 42 | 2442 | 2042 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 7709825499 | 12345 | 192.168.1.221 | 16138 | 192.168.1.222 | 8000 | PCMU | -- | Recv BYE | 200 | Normal | 25 | 1453 | 1472 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 7709825499 | 12345 | 192.168.1.221 | 19298 | 192.168.1.222 | 8000 | PCMU | -- | Recv BYE | 200 | Normal | 23 | 1461 | 1441 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 7709825499 | 12345 | 192.168.1.221 | 19028 | 192.168.1.222 | 8000 | PCMU | -- | Recv BYE | 200 | Normal | 87 | 5308 | 4163 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 7709825499 | 12345 | 192.168.1.221 | 17658 | 192.168.1.222 | 8000 | PCMU | -- | Onhook | 200 | Normal | 250 | 15885 | 14208 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 7709825499 | 12345 | 192.168.1.221 | 18068 | 192.168.1.222 | 8000 | PCMU | -- | Onhook | 200 | Normal | 14 | 498 | 431 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 7709825499 | 12345 | 192.168.1.221 | 16718 | 192.168.1.222 | 8000 | PCMU | -- | Onhook | 200 | Normal | 13 | 498 | 431 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 9643101012 | 12345 | 192.168.1.221 | 10408 | 192.168.1.222 | 8000 | PCMU | -- | Onhook | 200 | Normal | 9 | 499 | 431 | 0 | 0 |
| 1 | 0/00/00 00:00:00 | 0/00/00 00:00:00 | CallOut | 9810870101 | 12345 | 192.168.1.221 | 16816 | 192.168.1.222 | 8000 | PCMU | -- | Onhook | 200 | Normal | 12 | 498 | 431 | 0 | 0 |

- Status & Statistics

- System Information
- Registration
- TCP/UDP Traffic
- RTP Session
- CDR
- Record Statistics

• Quick Setup Wizard

- + Network
- SIP Server
- Port
- + Advanced
- + Call & Routing
- + Manipulation
- + Management
- + Security
- + Tools

Configure Gateway



Web Management System

- + Status & Statistics
- + Quick Setup Wizard
- + Network
 - SIP Server
 - Port
- Advanced
 - FXS / FXO
 - Media Parameter
 - SIP Parameter
 - Fax Parameter
 - Digit Map
 - Feature Code
 - System Parameter
- + Call & Routing
- + Manipulation
- + Management
- + Security
- + Tools

GSM Gateway

| | | |
|-----------------------------------|--|---|
| Timeout for Dialing | <input type="text" value="4"/> | s |
| Timeout for Answer(Outgoing Call) | <input type="text" value="55"/> | s |
| Timeout for Answer(Incoming Call) | <input type="text" value="55"/> | s |
| No RTP Detected | <input type="checkbox"/> Enable | |
| Period without RTP Packet | <input type="text" value="60"/> | s |
| Call Progress Tone | <input type="text" value="USA"/> | v |
| Ring Back Tone | <input type="text" value="440,260,480,260,2000,4000,0,0"/> | |
| Busy Tone | <input type="text" value="480,260,620,260,500,500,0,0"/> | |
| Dial Tone | <input type="text" value="350,260,440,260,0,0,0,0"/> | |
| Auto Gain Control | <input type="checkbox"/> Enable | |

Line Parameter

| | | |
|-------------------|--|---|
| Port | <input type="text" value="Please Select Port"/> | v |
| Work Mode | <input type="text" value=""/> | v |
| Voice Output Mode | <input checked="" type="radio"/> Telephone <input type="radio"/> Headset | |
| Config Mode(Gain) | <input checked="" type="radio"/> Basic <input type="radio"/> Advanced | |
| Tx Gain | <input type="text" value=""/> | v |
| Rx Gain | <input type="text" value=""/> | v |
| REN | <input type="text" value="4"/> | |

GUI- System Information



Web Management System

- + Status & Statistics
- + Quick Setup Wizard
- + Network
- + SIP Server
- + Port
- + Advanced
- + Call & Routing
- + Manipulation
- + Management
- + Security
- + Tools

System Information

| | | | |
|--------------------------|---|---------------------|--------|
| Device ID | da17-3140-1690-0123 | | |
| MAC Address | F8-A0-3D-20-A8-E3 | | |
| Network Mode | Router | | |
| WAN IP Address | 192.168.1.222 | 255.255.255.0 | Static |
| | 192.168.1.1 | | |
| LAN Port | 192.168.11.1 | 255.255.255.0 | |
| DNS Server | 8.8.8.8 | 4.4.4.4 | |
| Cloud Register Status | Not Registered | | |
| System Uptime | 5h: 49m: 10s | | |
| NTP Status | Failed | | |
| WAN Traffic Statistics | Received 39836944 bytes | Sent 22664091 bytes | |
| Usage of Flash | 89 %(10866688 / 12189696) bytes | | |
| Usage of RAM in Linux | 43 %(56123392 / 128323584) bytes | | |
| Usage of RAM in AOS | 13 %(9195520 / 67100672) bytes | | |
| Current Software Version | DAG1000-40 2.80.01.09 PCB 4 LOGIC 0 BIOS 1, 2017-03-21 15:58:33 | | |
| Backup Software Version | DAG1000-40 2.80.01.09 PCB 4 LOGIC 0 BIOS 1, 2017-03-21 15:58:33 | | |

Port Group



Web Management System

- + Status & Statistics
- Quick Setup Wizard
- + Network
 - SIP Server
 - Port
 - + Advanced
 - Call & Routing
 - Wildcard Group
 - Port Group
 - IP Trunk
 - Routing Parameter
 - IP->Tel Routing
 - Tel->IP/Tel Routing
 - IP->IP Routing
- + Manipulation
- + Management
- + Security
- + Tools

Port Group

| | Index | Description | Primary Display Name | Primary SIP User ID | Primary Authenticate ID | Secondary Display Name | Secondary SIP User ID | Secondary Authenticate ID | Offhook Auto-Dial | Port | Port Select | Pick Up on Group |
|--------------------------|-------|-------------|----------------------|---------------------|-------------------------|------------------------|-----------------------|---------------------------|-------------------|------|------------------|------------------|
| <input type="checkbox"/> | 3 | 5001 | 5001 | 5001 | 5001 | | | | 12345 | 0, | Cyclic Ascending | *# |

Total: 1 entry Page 1

Benefits of Using GSM Gateway

- Reduce communication cost
- Sending/ Receiving SMS
- Increase productivity
- Portability
- Easy implementation



Get Connected With US

ARIA TELECOM SOLUTIONS PVT. LTD.

Phone: +91-120-4763988

Email: sales@ariasolutions.net

Website: www.ariatelecom.net