Jio Gateway (VoLTE Gateway)





Aria Telecom Solutions Pvt Ltd

www.ariatelecom.net







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 Jio Gateway?

- Jio Gateway is designed as a multi-functional gateway that implements calls between VoIP network and 2G/3G/4G network. Whether it's a VoLTE or GSM it can dial inbound/outbound calls efficiently.
- The Jio Gateway has been designed to provide low-cost IP telephony solutions to SMEs and enterprises with ease and flexible application.



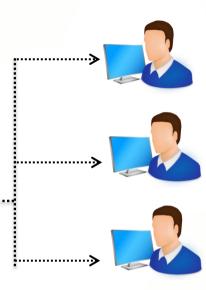
Network Diagram





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

Server



Agent PCs installed with soft phone with headset

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

Models:



4 Port Jio Volte Gateway



16 Port Jio Volte Gateway



8 Port Jio Volte Gateway



32 Port Jio Volte Gateway

Key Features:

- Offers 4, 8, 16, 32 LTE Channels on Demands
- Compatible with LTE-FDD/LTE-TDD//GSM Networks
- Flexible Dial Rules and Manipulation Rules
- Easy integration with HTTP API for SMS Application
- SMS to Email and Email to SMS sending facility
- Supports dialing call through VolTE
- Easily work with different mobile networks

Software features

- Abnormal Call Monitoring
- Auto Update SIM Number
- Caller/Called Number Handling Rules
- Calling Type: VoIP to Mobile, Mobile to VoIP
- Limitations on Call Minutes for Ports/Single Call
- Low Balance Alarm
- PSTN Hotline & SIP Codes Mapping
- Random Call Interval, White/Black List number
- SIP Trunk and Trunk Group

Specification:

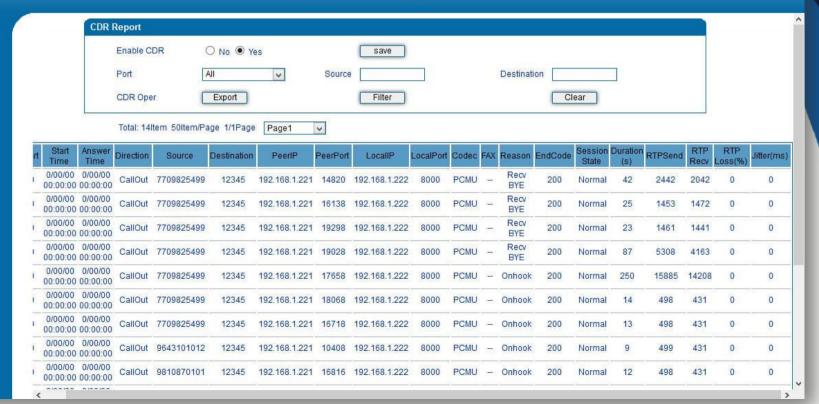
- Protocol: SIP v2.0, RFC3261, SIP TLS
- Codecs:G.711A/U law, G.723.1, G.729A/B
- Silence Suppression
- Comfort Noise Generator(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation: G.168 with up to 128ms
- Dynamic Jitter Buffer
- DTMF: RFC2833, SIP Info
- Call Progress Tone Generation
- Programmable Gain Control
- NAT: STUN, Dynamic NAT, Static NAT
- Antennas Connectors: SMA
- Ethernet Interfaces: 2*10/100 Base-T, RJ45
- LED Indicators: Power, RUN, Signal Strength Indicators
- Console:1* RS232 115200bps

CDR Reports



Web Management System

- Status & Statistics
- · System Information
- Registration
- TCP/UDP Traffic
- RTP Session
- CDR
- · Record Statistics
- · Quick Setup Wizard
- + Network
- + Network
- SIP ServerPort
- + Advanced
- + Call & Routing
- + Manipulation
- + Management
- + Security
- + Tools

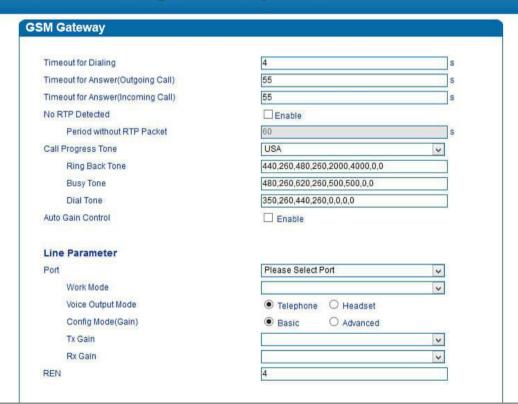


Configure Gateway



- + 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
- * manipulation
- + Management
- + Security
- + Tools

Web Management System



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



- + 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

Web Management System

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
D	3	5001	5001	5001	5001				12345	0,	Cyclic Ascending	*#

Total: 1 entry Page 1 V

Add

Modify

Delete

Benefits of Using Jio Gateway

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



Get Connected With US

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