



Aria VoIP Gateway Datasheet

Voice codes

Voice compression as per G.711, G.723, G.726, G.727 & G.729. Silence suppression, VAD, CNG.

- *G.711 A-Law/ μ -Law (64kbps)*
- *G.726 (ADPCM 40, 32, 24, 16 kbps)*
- *G.723.1 (5.3 or 6.3 kbps)*
- *G.729)*
- *Transparent pass through*
- G.168 echo cancellation*
- 8 parallel voice connections*
- DTMF detection and generation*

Carrier tone detection and generation

Silence suppression and comfort noise

Configurable dejitter buffer
Configurable tones (dial, ringing, busy)
Configurable transmit packet length
RTP/RTCP (RFC 1889)

Fax and Modem Support

G.711 transparent FAX
Fax over IP (FoIP)
T.38 Fax relay (9.6 k, 14.4 k)

H.323v4/SIP v3 Support

- *RAS, H.225, H.245*
- *Fast-connect, early H.245*
- *Gatekeeper autodiscovery*
- *Alias registration*
- *Overlap sending*
- *Empty capability set (call transfer, hold)*
- *H.323v1 call transfer, hold*
- ISDN over IP (ISoIP)*
- *H.323 GW and GK compatible*
- *H.323 Annex M3*
- *ISDN/Q-SIG feature tunneling*
- *ISDN speech, audio and data (Fax Gr 4, UDI 64, RDI 64)*

Voice Routing—Session Router™

Local switching; Interface huntgroups
Routing Criteria

- *Interface*
- *Calling/called party number*
- *Time of day, day of week, date*
- *ISDN bearer capability*
- Number manipulation functions*
- *Replace numbers; Add/remove digits*
- *Multiple remote gateways; PLAR*

IP Services

*IPv4 router; RIPv1, v2 (RFC 1058 and 2453)
Programmable static routes
ICMP redirect (RFC 792); Packet fragmentation
DiffServe/ToS set or queue per header bits
Packet Policing discards excess traffic
802.1p/Q VLAN support with 4096 IDs
IPSEC AH & ESP Modes
Manual Key; IKE optional
AES/DES/3DES Encryption*

Connectivity

*2 10/100/1000 Full Duplex/Autosensing
RJ-45, RJ-48, RJ-11
4 USB, 1 Serial, 1 Parallel*

Management & Connectivity

Microsoft .Net, MS-TAPI, User Friendly GUI, RS232C CLI, CDR Generation

System

*Xeon Server Dual/Quad Core as per user requirements
Memory 4/8 GB as per user requirements
HDD 160/500 GB as per user requirements
4-16 Port Analog And/Or 1-8 Port PRI as per user requirements
Universal 115/240 VAC , 47/60 Hz, 350 w
Supports 120/240 Concurrent calls*