

AETHRA GATEWAY

AETHRA GATEWAY-P20 - AETHRA GATEWAY-B40



High quality communications for voice, video and data streams using advanced DSP technologies

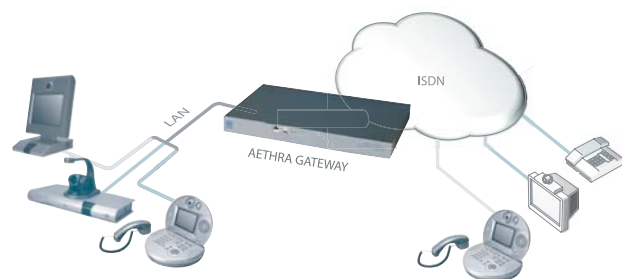
Intelligent management of communication channels to ensure optimal utilization of available resources and services

Intuitive and easy-to-use, with centralized management and a global view of full system statistics

OVERVIEW

AETHRA GATEWAYS provide seamless connectivity between different networks and standards to deliver feature-rich, reliable, multimedia conferencing and communications.

AETHRA GATEWAYS are packet-based from the bottom up, and ensure easy and affordable connection with next-generation distributed networks. The gateway is an ideal solution for connecting IP videoconferencing networks with ISDN endpoints and ISDN bridges for full utilization of your existing videoconferencing investments.



Enterprise Gateway Application

AETHRA GATEWAYS enable enterprises to cost-effectively connect to remote locations, such as branch offices or partner sites while offering a scalable solution to allow rich media connectivity throughout the organization's entire supply chain.

Carrier Gateway Services

AETHRA GATEWAYS enable carriers and service providers to widely deploy lucrative value-added rich media gateway services.

Seamless interoperability

AETHRA GATEWAYS are highly compatible and interoperable with standards compliant gatekeepers, terminals, and MCUs. The AETHRA GATEWAY is a mature and market-proven solution enabling you to connect together all of your videoconferencing systems and offices into a single video network, regardless of the protocols used at the end site.

Scalable and Distributed Solutions

The AETHRA family of gateways offers flexible, scalable and distributed or centralized solutions that can grow in accordance with the needs of your enterprise to ensure right-sized capacity. Together with multipoint conferencing, Web collaboration applications, scheduling, security modules and powerful network management tools, AETHRA GATEWAYS put your organization on the right path toward intelligent rich media collaborative communications.

AETHRA GATEWAY products

AETHRA GATEWAYS are part of the AETHRA family of videoconferencing and multipoint conferencing units, data collaboration, gateways, utilities and applications for rich media collaborative communications in large scale enterprise, carrier and distributed network deployments.





TECHNICAL SPECIFICATIONS

NETWORK PROTOCOLS

- H.323 over IP
- H.320 over ISDN

VIDEO PROTOCOLS

- H.261
- H.263
- H.263+
- H.263 ++
- H.264

VIDEO RESOLUTION

- QCIF
- CIF
- 4CIF
- 16CIF

AUDIO PROTOCOLS

- G.711
- G.722
- G.722.1
- G.723.1
- G.728

AUDIO TRANSCODING

- G.728 < > G.711
- G.711 < > G.723

DATA PROTOCOLS

- T.120
- T.281 FECC
- H.239 and Dual Video

LINE ECHO CANCELLATION

CALL BONDING

- ISDN call bonding of up to 2MB (E1)
- 1.5 Mb (T1) on PRI connections
- 512 kbps for BRI
- Downspeeding support

MANAGEMENT

- SNMP
- HTTP - embedded Web Server

CALL ROUTING

- Built-in Interactive voice response (IVR)
- Direct Inward Dialing (DID)
- TCS4
- Default extension for operator assistance
- Flexible/configurable IP dial plan



ENCRYPTION

- H.235*

NETWORK AND RELIABILITY SUPPORT

- Dynamic routing of IP calls to neighbouring Gateways based on resource availability
- Downspeeding support
- Network optimization for high call completion
- H.320 line related auto registration
- Network Specific Facility (NSF)
- QoS support with DiffServe, IP TOS and precedence
- Advanced IP packet handling ensuring high quality communications
- Fast connect for voice calls
- Redirect (PRI) in ISDN-to-IP calls, the Gateway will forward to the destination IP terminal caller ID and redirecting endpoint details

AETHRA GATEWAY Specifications

| | AETHRA GATEWAY-P20 | AETHRA GATEWAY-B40 |
|--------------------------------|--|--|
| |  |  |
| INTERFACES | 2 ISDN PRI T1/E1 | 4 ISDN BRI |
| MAX SYSTEM CAPACITY* E1 | 60 voice calls | 8 voice calls |
| | 30 video calls @ 128 kbps | 4 video calls @ 128 kbps |
| | 10 video calls @ 384 kbps | 2 video calls @ 256 kbps |
| | 4 video calls @ 768 kbps | 1 video calls @ 384 kbps |
| | 2 video calls @ full E1 | 1 video calls @ 512 kbps |
| MAX SYSTEM CAPACITY* T1 | 46 voice calls | |
| | 23 video calls @ 128 kbps | |
| | 7 video calls @ 384 kbps | |
| | 3 video calls @ 768 kbps | |
| | 2 video calls @ full T1 | |

* Port capacities when using encryption are reduced by half.

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