

AETHRA GATEWAY

AETHRA GATEWAY-P20 / AETHRA GATEWAY-B40 (SCOPIA™ TECHNOLOGY BASED)

High quality communications

Delivering voice, video and data streams using advanced DSP technologies

Intelligent management of communication

Ensuring optimal utilization of available resources and services

Intuitive and easy-to-use

Centralized management and global view of full system statistics



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.

AETHRA GATEWAY

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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
- VGA, SVGA, XGA
- NTSC Modes

Audio Protocols

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

Audio Transcoding (Optional on P20)

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

Data Protocols

- T.120
- T.281 FECC
- H.239 for Dual Video presentation sharing

Line Echo Cancellation

Call Bonding

- ISDN call bonding of up to 2 Mb (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
- RS366 signaling

Encryption

- H.235*

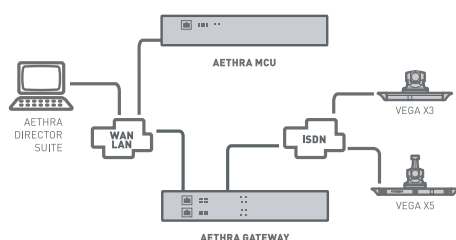
Network and Reliability Support

- 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
Form factor		
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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