

# aethra 3g gateway

## Videoconference Infrastructure



aethra®  
keep connected™

### Centralized management

Easy-to-use graphic Web interface for monitoring and configuration.

### Modular IP architecture

Highly scalable solution that can support thousands of concurrent sessions and assures fault-resiliency within and beyond the chassis boundaries.

### Optimal Transcoding

Thanks to its optimal transcoding method this architecture is ideal for a large variety of applications, including video mail and portal applications.



The smart solution for IMS and converged video communications. The Aethra 3G Gateway provides carrier-grade seamless telephony and streaming connectivity for video and voice between 3G-324M-enabled mobile devices and IP/IMS-based services.

### Complete interoperability

The Aethra 3G Gateway supports real-time bi-directional video and voice telephony between 3G-324M-based mobile handsets or devices and IP-based video systems, SIP/H.323 terminals, ISDN endpoints and more.

### Multi-protocol

The Aethra 3G Video Gateway supports all carrier network communication protocols, including 3G-324M, TDM Voice, SIP, H.323 and H.320 all at the same time.

### 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 3g gateway

## Technical Specifications



### Supported Protocols

- 3GPP 3G-324M including H.245
- SIP
- H.323 Ver. 4
- H.320 (optional)

### Advanced Transcoding, rate matching and size matching

- Video:
  - H.264, H.263, MPEG4
  - H.263<->MPEG4 with modular transcoding architecture
  - Rate and size matching
  - Image Refresh error resiliency
- Audio:
  - AMR pass-through and transcoding to G.711, G.723 and G.729.

### Management and reliability support

- SNMP
- HTTP - embedded web server
- Automatic unregister and register from gatekeeper following ISDN failure and recovery notification

### Quality of Service (QoS)

- Configurable IP TOS bits for setting any desired IP class of service or DiffServ Code Point (DSCP)

### Smart Dial Plans

- Calls originating on 3G-324M can be routed with Direct Inward Dialing (DID) methods and default extensions for operator assistant
- Simplified dial plan for outbound IP-to-Mobile using single universal prefix

### PRI

Supports all common central office switches utilizing the many flavors of ISDN protocols - AT&T 5ESS, 4ESS, Nortel DMS 100, National ISDN-2 (NI-2), Euro-ISDN and Hong Kong and Taiwan PRI system NTT Japan

### Hot Swappable

Gateway cards can be plugged and unplugged (while powered) without interference to the rest of the system

### Power Supply

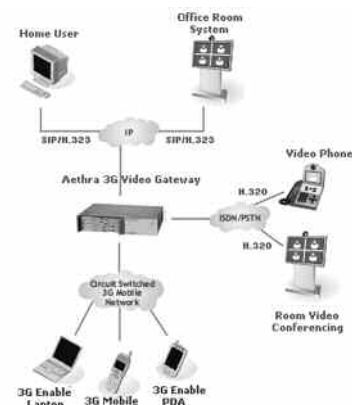
- 100-240VAC, 50/60Hz dual redundant power supply as standard

### Environmental Requirements

- Operating temperature: 0°C to 50°C (32°F to 122°F)
- Storage temperature: -25°C to 70°C (-13°F to 158°F), ambient
- Relative humidity: 5% to 90% non-condensing

### Dimensions

- AETHRA 3G GATEWAY
  - Horizontal
    - Width 17.25" (438.15 mm)
    - Height 2U (3.5" or 88.9 mm)
    - Depth 10" (254 mm)
    - Weight 17.6 lbs / 8 kg for empty chassis (with 2 power supplies)



### AETHRA® SpA

via Matteo Ricci, 10  
60126 Ancona (Italy)  
Telephone +39.071.218981  
Fax +39.071.887077  
Video 1 +39.071.2189704  
Video 2 +39.071.2189701

Beijing Hong Kong London Madrid  
Mexico City Paris Miami São Paulo  
Shanghai Shenzhen

Email: [info.aethra@aethra.com](mailto:info.aethra@aethra.com)  
[www.aethra.com](http://www.aethra.com)