



MGC-100™

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Accord Networks is helping enhance the way people communicate and interact through the introduction of innovative visual enabling technologies. Accord Networks' MGC™ is the networking system for making visual communications applications, such as videoconferencing, telemedicine, distance learning, visual enabled e-commerce, visual call centers and visual chat rooms a reality.

The Accord Networks Multipoint Gateway-Control, MGC, is the only Multipoint Control Unit (MCU) which functions both as a multimedia MCU and a H.3xx gateway. It supports ITU-T (International Telecommunication Union - Telecommunication Standardization Sector) standards for multipoint multimedia bridging devices and variable port bandwidth ranging from 56 Kbps to 2 Mbps.

Broadband Visual Communications Architecture

A robust telecom architecture that maximizes system availability.

- *Designed to incorporate new networks and new standards as they emerge, all in a **single platform**
- *All ports, regardless of their networks, can use all advanced features
- *On-line diagnostics to anticipate any potential problem
- *Front panel LED lights for fast problem isolation
- *All modules are:

- *Front-accessible
- *Hot-swappable
- *Self-configuring
- *Full redundancy with up to three hot-swappable, load-sharing power supplies

Multi-Network Connectivity

The MGC-100 provides IP connectivity with the ability to gateway with existing ISDN and ATM networks in a single platform.

- *Connects directly with H.323 (IP) networks
- *Supports H.320 (ISDN) and H.321 (ATM) networks
- *Designed to incorporate new standards as they emerge such as 3GPP, all within a single platform
- *All supported networks can access and utilize the MGC-100's advanced features
- *NO external gateways necessary

Advanced Feature Set

The MGC-100 provides the most advanced feature set of any MCU units class.

Now you can produce your conference any way you want, making the remote meeting experience more like a face-to-face meeting.

Continuous Presence

- *Up to 21 different layouts
- *Layouts changeable 'on-the-fly'
- *Each window within each layout can be set as fixed or voice activated

Multi-way Transcoding

- *Allows sites with different frame rates, connection speeds, audio algorithms, resolutions, and network protocols to transparently connect with one another
- *Ensures that all sites connect at their optimal capabilities Ensures that conferences start on time by simplifying the connection process
- *Ensures conference reliability

Greet and Guide™ (ISDN and ATM)

*Customizable conference welcome screens and audio greeting messages

*Operator(s) can guide users through every part of the conference:

- Greet users as they connect
- Drag and drop participants between conferences
- Create subconferences

Powerful Management System

The MGC-100 provides the most flexible suite of system and conference management applications of any MCU in its class. Three different management applications are supported to provide the power and flexibility required for both local and remote needs.

*MGC WebCommander™ empowers users to schedule and manage their own conferences using Netscape or Microsoft Internet web browsers

*MGC Manager™ provides comprehensive operator control – from conference scheduling and management to system configuration, diagnostics and maintenance

*Touch Tone Conference Manager (TTCM) empowers users to manage their own conferences using a standard touch tone telephone

Easy Maintenance

The MGC-100 reduces the need for on-site maintenance through advanced remote system monitoring tools.

- *Remote diagnostics and problem resolution
- *Remote software downloads
- *Support for multiple MGC systems

System Capacity

| | ISDN | ATM | IP |
|----------------------------------|---|------------|-----------|
| Max No. Sites | 96 | 80 | 96 |
| Max No. Simultaneous Conferences | 32 | 28 | 32 |
| Max No. CP conferences | 16 | 16 | 16 |
| Videoconferencing | H.320, H.323, H.321, T.120 | | |
| Telephony | H.320 | | |
| Multi-way | H.231, H.243 Cascading and Chair Control H.281 FECC (Far End Camera Control) H.261, H.263 | | |
| Video | G.711, G.722, G.728 | | |
| Audio | H.243 LSD, T.122/T.125 (MCS), T.123, T.124 | | |
| Data | | | |
| (GCC) | | | |
| Communications | H.221, H.242 | | |
| Channel aggregation | H.221, BONDING Mode 1, HO | | |

External Communications

| | |
|-----------------------|----------------------------------|
| Data rates | 56 Kbps - 2 Mbps |
| Clock synchronization | Synchronizes to external network |

Network Interfaces

| | |
|----------------------|---|
| 25 Mbps ATM (FVC) | PRI-T1 (ISDN signaling) V.35/RS-449/EIA-530 |
| 155 Mbps ATM (FVC) | E1/T1 Leased Line RS-366 dialing |
| 100/10 Mbps Ethernet | PRI-E1 (ISDN signaling) KG Support |

Environment

| | |
|-----------------------|--------------------------------|
| Operating temperature | 10 to 40°C (50 to 104°F) |
| Storage temperature | 3400 BTU per hour |
| Relative humidity | -25 to 70°C (-20 to 158°F) |
| Operating altitude | 15 to 90% non condensing |
| Storage altitude | Up to about 3,000m (10,000ft) |
| Operating | Up to about 12,000m (40,000ft) |
| Storage | ESD +8 kV |
| | ESD +15 kV |

Physical

| | |
|-------------------------------|---------------------|
| Height | 40.8 cm (16 inches) |
| Width | 58.4 cm (23 inches) |
| Depth | 50.2 cm (19 inches) |
| Power Supply x 3 load sharing | 110-240 VAC |
| | 50/60 Hz |