MGC-100™

ACCORD
PRODUCT LINE

The Accord Product Line's MGC is the only Multipoint Control Unit (MCU) which functions both as a multimedia processor and a H.3xx gateway. It supports ITU-T standards for multipoint multimedia bridging devices and variable port bandwidth ranging from 56Kbps to 2Mbps.

BROADBAND VISUAL COMMUNICATIONS ARCHITECTURE

The MGC-100 is 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 therefore protecting investment
- 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
- NEBS compliant chassis available
- High speed multimedia bus

MULTI-NETWORK CONNECTIVITY

The MGC-100 provides IP, ISDN and ATM connectivity 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 Features That Make A Difference!

The MGC-100 provides the most advanced features of any MCU.

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. Three different management applications are offered to provide the power and flexibility required for both local and remote access and support.

- WebCommander™ empowers users to schedule and manage their own conferences using Netscape or Microsoft 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

Reliability
The Accord Product Line's MGC-100 is the only carrier class solution for video and voice communications providing NEBS Level 3 compliance, making it the choice for mission critical applicatons.

Rich Media Communications is a real-time virtual communications experience…anytime, anywhere. The Accord Product Line provides the tools that make virtual communications a reality, enhancing the way people communicate and interact. With the Accord Product Line the user is ensured of a networking solution which makes rich media applications such as business conferencing, telemedicine, distance learning, visual enabled e-commerce, visual call centers and visual chat rooms a reality.

MGC-100™

System Capacity

	ISDN	ATM	IP
Max No. Sites	96	80	144*
Max No. Simultaneous Conferences	32	28	48
Max No. CP conferences	16	13	16

Videoconferencing	• H.320, H.323, H.321, T.120
Telephony	• PSTN, VoIP
Multi-way	• H.231, H.243 Cascading and Chair Control
	• H.281 FECC (Far End Camera Control)
Video	• H.261, H.263, H.263+
Audio	• G.711, G.722.1, G.723, G.728, Siren 7 (16, 24, 32Kbps)
Data	• H.243 LSD, T.122/T.125 (MCS), T.123, T.124 (GCC)
Communications	• H.221, H.242
Channel aggregation	• H.221, BONDING Mode 1, H0

EXTERNAL COMMUNICATIONS

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

NETWORK INTERFACES

25 Mbps ATM (FVC)	• PRI-T1 (ISDN signaling)	• V.35/RS-449/EIA-530
55 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)
	• 3400 BTU per hour
Storage temperature	• -25 to 70˚C (-20 to 158˚F)
Relative humidity	• 15 to 90% non condensing
Operating altitude	• Up to about 3,000m (10,000ft)
Storage altitude	• Up to about 12,000m (40,000ft)
Operating ESD	• +8 kV
Storage ESD	• +15 kV

PHYSICAL

NEBS	• Level 3 Compliant
Height	• 40.8 cm (16 inches)
Width	• 58.4 cm (23 inches)
Depth	• 50.2 cm (19 inches)
Weight	• Net 43kg (94lbs), including packaging 64kg (140lbs)
Power Supply x 3 load sharing	• 110-240 VAC
	50/60 Hz
	-48 DC

* Available second half 2001