

## viaIP<sup>SM</sup> Multipoint Conferencing Unit Card



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### Simply the best V<sup>2</sup>oIP<sup>TM</sup> Conferencing Solution

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The RADVISION viaIP MCU card is a powerful and advanced solution for voice and video collaborative communications. The MCU card is designed for the viaIP platform, providing multipoint conference call services at a low cost per port and high performance levels representing a price/performance breakthrough for MCU technology.

# viaIP<sup>SM</sup>



#### Wide Product Range

RADVISION provides 3 types of MCU cards with varying call capacities, the mcu-30 supports 30 endpoints at 128kbps, mcu-60 and mcu-100. In order to reach the maximum MCU capacity, a system can be configured with 4 MCU-100 cards supporting 400 ports. A system can initially be configured with one MCU card, while additional cards can be added at a later stage in order to increase MCU port capacity. The viaIP system requires that the upper slot of the viaIP-400 will always be either an MCU system card or a Gateway system card. The system card includes additional functionality for managing the system.

#### Scalability and Modularity

The viaIP system is comprised of modular compact PCI application cards that make use of the Hot pluggable capability to allow the insertion or removal of cards from the chassis without shutting down the system. The MCU-card is also modular in its audio transcoding support, making it highly expandable.

#### Web-Based Conference Management

The MCU web interface allows you to control and monitor a conference through a web browser. Conference participants have the ability to monitor conferences by viewing a conference control web page which displays the participant's names, phone numbers, terminal types, and basic conference settings. Conference Control can be granted to authorized users allowing management activities such as locking the conference on a single participant, controlling Continuous Presence quadrant display and disconnecting participant terminals using the Conference Control. This for example, is useful in conserving bandwidth when a participant has left the conference without disconnecting their terminal.

#### Web-Based Administration & Configuration

MCU Web based administration and configuration tools can be accessed via any web browser using the viaIP web administration screens.

#### H.323 Interoperability

Based on the RADVISION H.323 Protocol, which is widely used in many other H.323 compliant products, the MCU is fully H.323 compliant and provides a high degree of interoperability with other conferencing systems and components.

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## ViaIP<sup>SM</sup> MCU Features

Supported Protocols: H.323 V.2, H.245, H.225.

Audio Coding: G.711 A/μ Law, G.723.1, G.729 A/B.

Video Coding: H.261 CIF and QCIF, H.263 CIF and QCIF.

LAN: 10/100BASE-T Ethernet LAN UTP connection.

### Bandwidth Support

- Supports dynamic bandwidth adjustment during a conference.
- Supports 384K, 768K, 1.5M high quality and 2.0 Mbps super-quality video sessions.

### Audio Conferences

- Supports voice-only conferences.
- Includes automatic audio mixing.

### Video Conferences

RADVISION provides 3 types of mcu-xx cards with varying port capacities (Please refer to the table below).

Name	Voice Ports	Number of Video Ports				
		128K	384K	768K	1.5M	2.0M
mcu - 30/30S	45	30	15	7	4	3
mcu - 60/60S	90	60	30	15	9	6
mcu - 100/100S	150	100	50	25	15	10

Number / Type of calls with Continuous Presence					
Max Ports			Call Type	CP Video Rate In / Out	Audio Packet Size
mcu - 30	mcu - 60	mcu - 100			
20	40	66	Video	110K / 440K	60mS
10	20	33	Video	384K / 1.5M	60mS

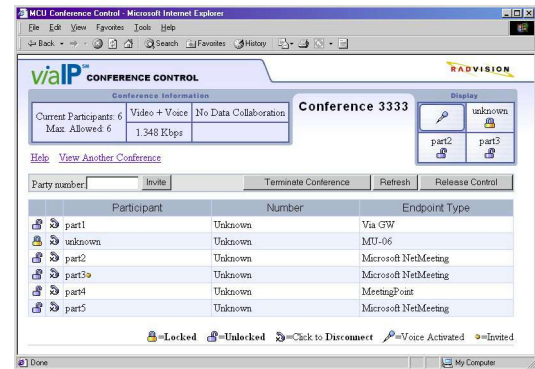
### Video Modes

Voice-activated video switching plus configurable video switching modes:

- See yourself.
- See previous speaker.
- Lock onto one participant

### Continuous Presence

Allows you to view 4 conference participants simultaneously on the same screen.



### Cascading

Supports the bridging of several separate conferences to create very large conferences.

### Clustered Topology

Clustering of up to 4 viaIP units can multiply the number of concurrent conferences and the number of total available calls.

### Operational Advantages

- Allow parties to view and/or listen without actively participating in a conference.
- Allows the linking of services to specific MPs.
- Operates without user intervention. No per-conference configuration is necessary.

### Web Monitoring and Control

- Online monitoring and control of the conference using a web interface allows participants to invite others to join the conference.
- Allows Chair Control of a conference including locking the image on a speaker and disconnecting participants or terminals.

### Web Administration and Configuration

The web administrator can view the list of users allowed to access the MCU's web interface and control:

- User name
- Password
- User level – administrator or end-user

### Data Collaboration

RADVISION's dedicated Data Collaboration Server (DCS) is an application that operates together with the viaIP mcu-xx and with T.120 capable endpoint terminals only. It provides additional processing resources for data sharing while remaining transparent to the conference participants. The DCS is an optional software package that runs on the asNT-10 card.

### Security

- Password protection per conference ensures privacy.
- Each unit is also protected by a user configurable password.
- Password allows limited access to administration and configuration interfaces.

### Warranty

One-year return-to-factory warranty for all mcu-xx cards

P/N 55588-00001 - mcu-30S

P/N 55588-00002 - mcu-30

P/N 55588-00003 - mcu-60S

P/N 55588-00004 - mcu-60

P/N 55588-00005 - mcu-100S

P/N 55588-00006 - mcu-100

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