

2001-2002 21st Century Fund
Western New York Partnership for Regional Internetworking
21st Century Regional Internetworking Center

Technical Specifications

The systems selected include a Cisco IP/VC 3540 Multipoint Control Unit (MCU) and a companion RADVision ECS-100 Gatekeeper, all of which will be located at the University of Buffalo with possible connection to Internet 2. Software is included for scheduling activities, which is required for the seamless management of multi-point conferences. Controlling resource allocation priorities, call routing, authorization and authentication, best-route determination, and logging of usage by conferees, are some of the functions automated in the MCU and its complimenting software modules. The ECS-100 can handle up to 100 concurrent calls and 500 registered users. Its functions include registration, admission and address translation, and bandwidth management, including Cisco proxy support. The Cisco 3540 MCU supports up to 100 simultaneous connections at 128 Kbps, 50 connections at 384 Kbps, 25 connections at 764 Kbps or 10 connections at 1.5 Mbps. The MCU simultaneously supports conferences at different bandwidths and multiple concurrent conferences, up to the maximum number and total bandwidth available for all connections, e.g. five conferences, each with five 384Kbps connections. The Cisco 3525 Gatekeeper and PRI interface permits older, legacy systems and ISDN phone connections to participate in the region's videoconferencing sessions.

Equipment:

- Cisco 3540 Series MCU
- Cisco IP/VC 3540 4 Slot Chas
- Cisco IP/VC 3540 MCU SYS MOD 100 Sessions
- Cisco IP/VC 3540 APP SVR
- Cisco IP/VC 3540 T.120 Data Conf SVR 100 Sessions
- Equipment Rack/Accessories
- Cisco Gateway – PRI IP/VC 3525 H.320-H.323
- RADVision ECS-100 Gatekeeper SW
- SmartNet Phone and Parts One Year

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