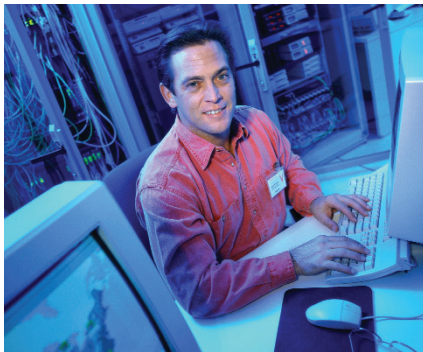


# Crestron Network Solutions

Safe > Secure > Reliable

**Crestron – The secure solution for your network.** Cisco and Microsoft certified Crestron control systems, touchpanels and RoomView® enterprise management software after rigorous security reviews. Microsoft and Cisco standardized on Crestron technology to manage and control AV resources worldwide.



Crestron Control Systems can only be accessed with the correct IP address, port number, user name and password.

- > Industry standard SSL encryption for diagnostic connections, built-in web browser and RoomView software
- > User name and password protection controls access to secure diagnostic and configuration pages
- > Port obfuscation enables common ports to be moved and hidden to prevent unauthorized connections
- > Disable unused ports such as web server, Telnet and ICMP, making the control system invisible to network scans



Crestron Isys i/O™ Touchpanels with Windows XP Embedded are locked down and secure. TPMC touchpanels only run Crestron certified applications included in the firmware, such as readers for MS Word, Excel, PowerPoint.

- > Authentication protocol support:
  - EAP-TLS
  - EAP-TTLS
  - PEAP
  - LEAP
  - EAP-FAST
- > Encryption protocol support:
  - WEP
  - WPA
  - WPA2



RoomView Server Edition management software allows you to monitor, manage and control all Crestron connected equipment throughout the global enterprise.

- > Uses Forms or Windows for authentication
- > Connection ports can be user-configured to fit within the corporate architecture
- > SQL Server communication via Stored Procedures - no direct table access
- > SQL Server configuration using either SQL Server Authentication or Windows Authentication (preferred)
- > No administrator access rights – runs under the protected SYSTEM account
- > Utilizes IOSEC and other technologies to prevent cross-site scripting attacks

# Microsoft® chose Crestron

Microsoft® chose Crestron as its exclusive partner to manage all AV and meeting room resources worldwide.



Crestron delivers the only solution that can monitor and control all the technology, including audio, video and lighting, in thousands of rooms around the globe on the Microsoft® network.

Microsoft® uses the Crestron **TPMC-8L** and **TPMC-8X** touchpanels for room control and scheduling, and connects all their rooms on the managed network with **Crestron RoomView® Server Edition** software. RoomView enables room scheduling using Microsoft Outlook® via Exchange Server directly from any Crestron touchpanel or any remote PC, and the ability to monitor and control all devices in all rooms throughout the enterprise.

Crestron and Microsoft®, two technology leaders, are working together to develop future digital media solutions to grow the AV industry. This exclusive partnership is the true convergence of two industries and two great companies that will create new opportunities, and make our industry the technology leader of tomorrow.



## TPMC-8L

Using Crestron RoomView®  
Server Edition Software

**Microsoft**  
GOLD CERTIFIED  
Partner