MC-IP-ODC-8
MC-IP-ODC-16

Modular Communication Internet Protocol Operator Desk Console with Direct Station Selection

The MC-IP-ODC-8 and -16 are self-contained Internet Protocol audio consoles with built in Lighted Station Select Buttons for system control. The console includes a powder coated metal base and Faceplate, gooseneck condenser Microphone, a 3" Speaker, and Vandal Resistant Push Button Switches. Inside each console are all of the electronics for connection to the network and control of local audio. The MC-IP-ODC allows a single operator location to communicate selectively with up to 16 separate systems in 16 separate rooms. An individual lighted button is provided for each remote station or system. When a call is placed from a remote the button for that location will light up and a tone will sound from the console speaker. By pressing the station select button the operator is automatically in "Listen" mode to that remote. A Push to Talk switch or an optional Foot Switch are available to control the flow of the conversation by activating the microphone.

A headset jack on the side of the console allows connection of a local operator headset such as any of our Tech Works wireless units. When activated the headset will mute the operator microphone and speaker giving the operator full handsfree operation.

Tech Works Automatic Level Control makes every voice sound the same and every word as articulate as possible. The MC-IP-Series audio quality is consistent and predictable due to the implementation of VOIP with our tried-and-true audio designs and industry standard interfaces.

The integral 3" loudspeaker is moisture resistant and includes vandal resistant metal barriers to protect it from abuse.

BENEFITS

- Audio and Control over a Single Internet Protocol Connection
- Rugged Design
- High Quality Audio
- Wide-range condenser mic.
- Self-contained electronics eliminate need for external modules
- Flat, smooth frequency response

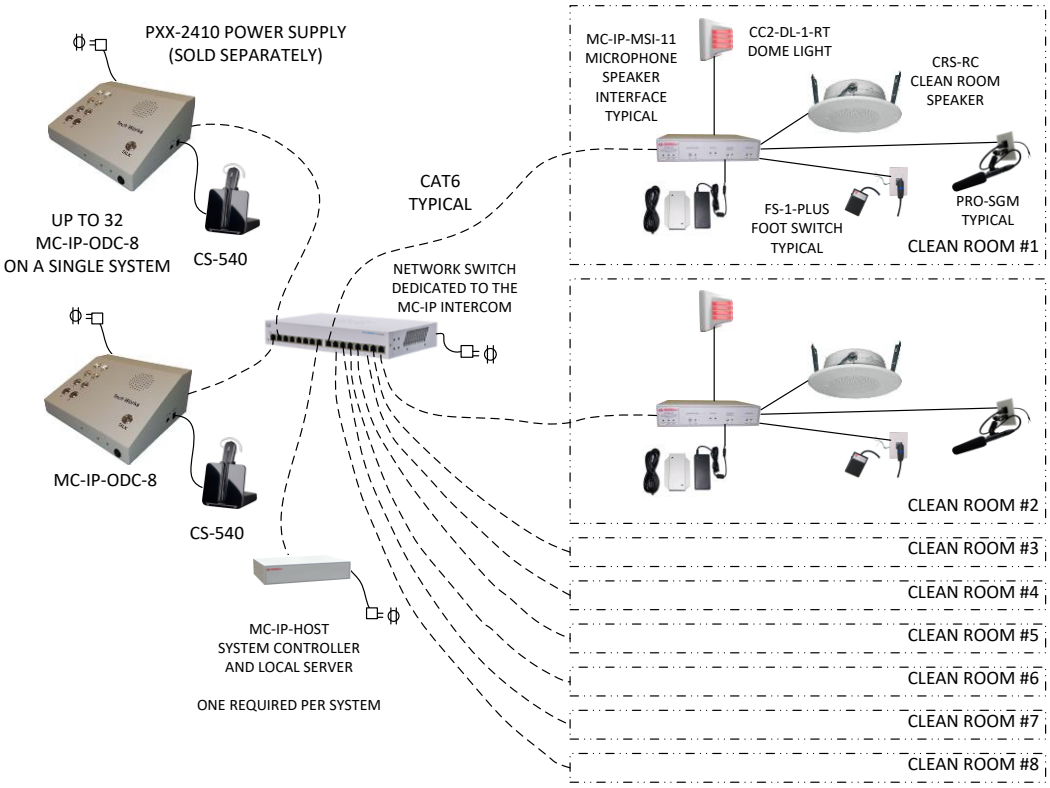
Associated Equipment:

MC-IP-MSI-11	Microphone, Speaker, and CI-Series Interface
MC-IP-HOST	Network Administrator
MC-IP-116	16-Channel Intercom Control Module
MC-IP-116-L	16-Channel Intercom Control Module w/Remote Station Light Output
MC-IP-SW-16	16 port TCP/IP Switch Rack Mount

Design Information:

Power	24V DC @ 3A Power Supply (Sold Separately)
Dimensions	11" W x 9" D x 4.5" H
Frequency Response	Microphone: 70Hz - 16k Speaker: 150Hz – 10k
Pattern	Hyper-Cardioid
Weight	5 lbs.

Wiring Diagram:



Architects' & Engineers' Specifications

An Operator Desk Console must be provided for this project to have hands-free full duplex communication from an observation control location to up to 16 separate areas and operate Over Internet Protocol. The Operator Desk Console shall be a vandal resistant metal enclosure including a microphone, a speaker, control push buttons, and Lighted Direct Station Select buttons. The console shall have a powder coated metal base and faceplate.

The Operator Audio Desk Console shall operate over Internet Protocol and include all circuitry for the clear articulate voice pickup from a professional cardioid condenser gooseneck microphone and clear listening from an integral speaker without feedback of spoken voice communication and conversation control over a single TCP/IP connection using standard CAT6 cabling. Station selection and system control shall be provided by the integral lighted Direct Station Select buttons. Products that do not operate over Ethernet exclusively using Internet Protocol for both audio and audio control will not be acceptable under these specifications.

The Operator Desk Console shall operate from a separate UL Listed 24 VDC 1 Amp power source.

The Operator Desk Console microphone and speaker shall be Tech Works MC-IP-ODC-8 or MC-IP-ODC-16 size as required for the total number of remote systems

For further system set up and adjustment please see the System Planning Guide by scanning the QR Code.