



MC-IP-ODC-POE

**Modular Communication
Internet Protocol
Operator Desk Console
Powered Over Ethernet**

The MC-IP-ODC-POE is a self-contained Internet Protocol audio console for use in conjunction with touch screen control systems. The MC-IP-ODC-POE offers the convenience of Power Over Ethernet to power the console so that you don't need to run a separate power wire. The console includes a powder coated metal base with a stainless-steel Faceplate, hidden condenser Microphone, a 3" Speaker, and 3 Vandal Resistant Push Button Switches specifically designed for the Corrections industry. Inside each console are all of the electronics for connection to the network and control of local audio plus remote gain up/down buttons to allow the operator to listen closely to what is said on the remote cell or door station. The Face is Laser Engraved to prevent wear and destruction of labeling. One button is a "Talk" (Push To Talk) and the other 2 buttons are "Listen" microphone gain Up and Down to control the listening sensitivity.

The console microphone is mechanically shock resistant mounted on the front of the unit. An electronic balancing circuit shapes the omnidirectional microphone for high voice band sensitivity. Tech Works Automatic Level Control makes every voice sound the same and every word as articulate as possible.

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

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. MC-IP makes intercom plug and play.

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 power modules
- Flat, smooth frequency response
- Designed Specifically for Corrections

Associated Equipment:

MC-IP-ODC-TS	Touch Screen Console
MC-IP-HOST or MC-IP-SEVER MC-IP-116	Network Administrator 16-Channel Intercom Control Module
MC-IP-116-L	16-Channel Intercom Control Module w/Remote Station Light Output
MC-IP-SW-16 MC-IP-SW-16- POE	16 port TCP/IP Switch 16 port TCP/IP Switch 8 w/POE, Rack Mount

Design Information:

Power	24V DC @ 500 mA or POE (Power Supply Sold Separately)
Dimensions	6" W x 9.5" D x 4.5" H
Frequency Response Pattern	Microphone: 70Hz - 16k Speaker: 150Hz - 10k Omni-Directional 180°
Weight	5 lbs.

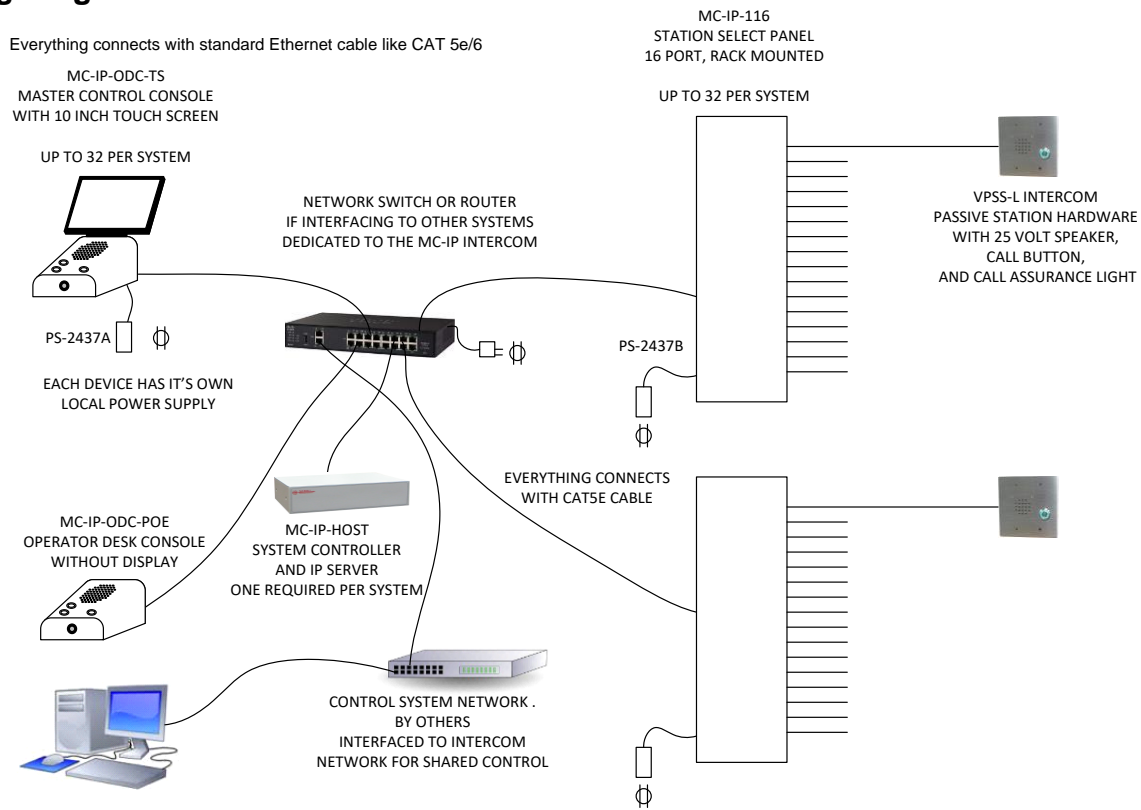


Tech Works®

"Making Specialized Communication Easy"



Wiring Diagram:



Architects' & Engineers' Specifications

The Operator Desk Console shall be a vandal resistant metal enclosure including a microphone, a speaker, and control push buttons and Powered Over Ethernet. The console shall have a powder coated metal base with a stainless-steel faceplate. The face shall be Laser Engraved to prevent wear and destruction of labeling. One button shall be labeled "Talk" (PTT) and the other 2 buttons are "Listen" gain Up and Down to control the listening sensitivity. The Listen Gain control must control the remote amplifier input (microphone) gain to allow the operator to clearly hear the conversation at the distant location. Products providing only a local console speaker volume control will not be considered under this specification.

The Operator Audio Desk Console shall operate over Internet Protocol and include all circuitry for the clear amplification of spoken voice communication and conversation control over a single TCP/IP connection using standard CAT6 cabling. The building control touch screen Logic Control (PLC) system specified separately shall provide individual station selection and interface to the Operator Desk Console via text API commands to the MC-IP-HOST. 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 power supply shall be 24V DC @ 500mA or Power Over Ethernet from a standard network POE Ethernet switch.

The Operator Desk Console microphone and speaker shall be Tech Works MC-IP-ODC-POE

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

