MC-IP-HOST

Modular Communication Internet Protocol System Controller

BENEFITS

- Internet Protocol Connectivity
- Full System Back via SD Card
- Hot Swappable Automatic Component Replication
- Flexible Command Tables

The MC-IP-HOST is an Internet Protocol Control Module that does several functions including monitor what devices are connected to the network, who wants to talk to whom, who is talking to who, as well as programmed properties and functional programming of each system device. When a system is installed and configured the MC-IP-HOST builds tables of all devices, commands, and functions that are required for any given system. If a device fails or is removed from the system the MC-IP-HOST puts that device out of service until a new device with the same credential is installed. When a new device appears the MC-IP-HOST automatically downloads all stored settings to the new device to assure that it functions just like the unit that was replaced. This makes field maintenance or repair a simple swap of the box for service. The MC-IP-HOST uses a standard SD card to store all system programming and communication tables. This information can be copied and stored for backup and security.

When any MC-IP-ODC Operator Desk Console selects a station to have a conversation, either MC-IP-ODC (Master to Master) or MC-IP-116 (Master to Remote), the MC-IP-HOST goes to its table and sees if that station is available. If not, the requesting station is sent a “Busy Signal”. If the station is available an audio and control connection is established between the two devices and they are in full control of the conversation. If special commands for establishing communication are required by third party software a translation table is created to handle the special commands.

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.

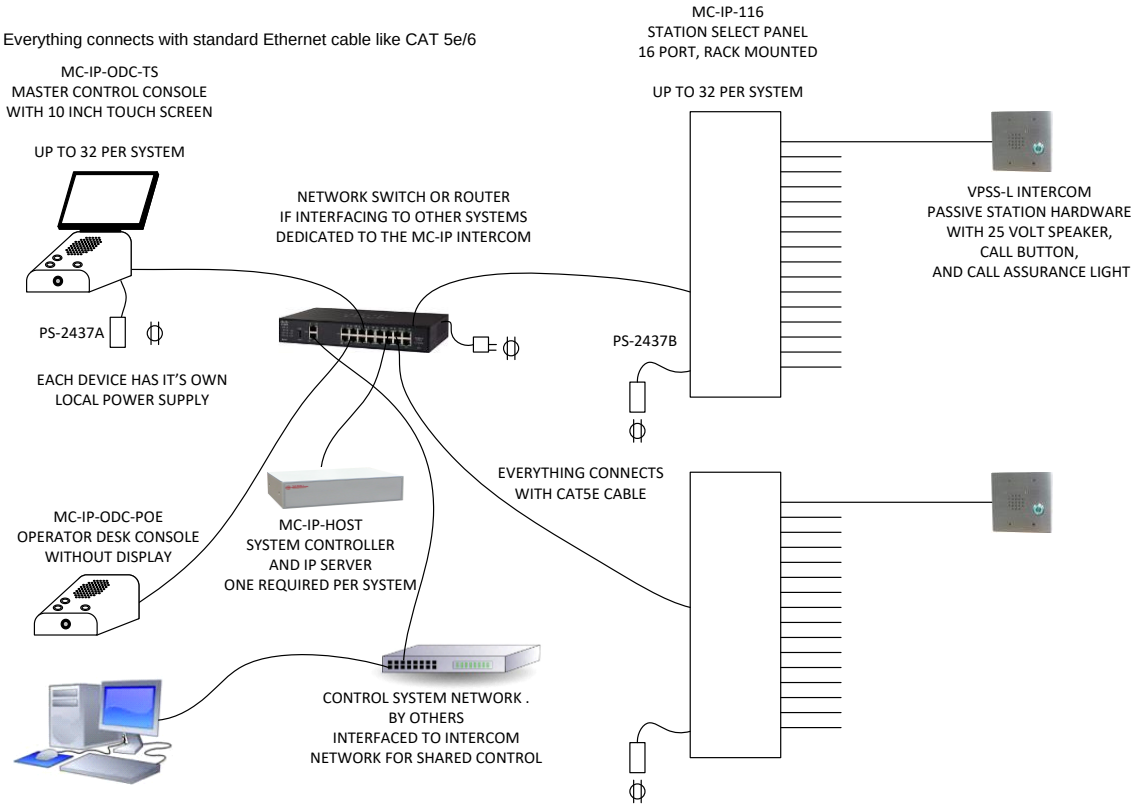
Associated Equipment:

MC-IP-ODC-POE	Operator Desk Console w/Power Over Ethernet
MC-IP-ODC-TS	Touch Screen Console
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
MC-IP-SW-16-POE	16 port TCP/IP Switch 8 w/POE, Rack Mount

Design Information:

Power Input	POE or 24V DC – 500mA (Power Supply Sold Separately)
Color	Gray Powder Coat
Mounting	Wall / Backboard or Desk
Dimensions	7” W x 3” H x 1.25” D
Weight	3 lbs.

Wiring Diagram:



Architects' & Engineers' Specifications

The MC-IP-HOST shall be an Internet Protocol Control Module that connects to the network and builds tables of all devices, commands, and functions that are required for the operation of the system. If a device fails or is removed from the system the MC-IP-HOST shall log that device out of service until a new device with the same credential is installed. As soon as a new device appears, the MC-IP-HOST will automatically download all stored settings to the new device to assure that it functions just like the unit that was replaced. A standard SD card shall store all system programming and communication tables. The MC-IP-HOST shall arbitrate all connections on the system by monitoring all communication connections and upon any request to establish a new conversation, the MC-IP-HOST shall check the system table and sees if that station is available. If not, the requesting station shall be sent a "Busy Signal". If the station is available an audio and control connection will be established between the two devices and they shall be in full control of the conversation. If special commands for establishing communication are required by third party software a translation table will be created to handle the special commands. Any system that does not allow Automatic full functional replication of any component swapped on the system will not be considered under this specification.

The power supply shall be 24 VDC 1 Amp universal AC source type.

The Internet Protocol System Controller / Host shall be Tech Works MC-IP-HOST

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