



OPEN API/OPEN SYSTEMS  
 FUTURE PROOF  
 WIRED, POE, 2 PORT ETHERNET SWITCH  
 RASPBERRY PI  
 CLOUD CONNECTED - TRUE IOT  
 MODULAR  
 SERIAL, IR, RELAY, SENSOR, HDMI,  
 RASPBERRY PI  
 SCALABLE  
 BACKWARDS COMPATIBLE

DATA SHEET - GCHMX3

# GLOBAL CONNECT HDMI Module (GCHMX3)

## CONNECT. COMMAND. CONTROL.

**UNPARALLELED  
 CONNECTIVITY**

Global Connect is the next generation for IP connectivity and control. With options for connecting serial, IR, relay, and HDMI to the network, it is easier than ever to manage and deploy equipment and have an easy method to control those devices. Utilizing the Raspberry Pi when needed provides additional options for customization and interface, including cloud connectivity. Global Connect provides a scalable solution with unlimited possibilities. If you need to connect to it, you only need one solution. Connect globally with Global Connect.

**INNOVATION  
 THROUGH AUTOMATION**

**3:1 HDMI Switch.** The GCHMX3 3:1 Module switches between 3 different sources at resolutions up to UHD 4K at 60Hz. Includes HDMI-CEC (Consumer Electronic Control) which provides easy command and control of devices connected through HDMI. CEC eliminates the need for multiple wiring solutions as 1 HDMI cable can be used to control all connected HDMI devices, including IR and serial devices. The GCHMX3 Module includes support for HDCP 2.2 (High-bandwidth Digital Content Protection), allowing for seamless use with the latest HDCP 2.2 devices, such as the 4K versions of Xbox One and PS4 Pro.

**INFINITE  
 POSSIBILITIES**

Three HDMI inputs makes this module ideal for simultaneous connection of multiple HDMI devices, such as HDTV, and set top boxes. The GCHMX3 Module receives up to 3 HDMI sources and outputs to one HDMI sink device. The GCHMX3 can be combined with other GC modules in any configuration up to 10 module slots on a GC Chassis. The GCHMX3 populates 2 GC chassis slots.



**7 Chassis Options**

- 3 Slot - 4.5" Freestanding
- 4 Slot - 6" Freestanding
- 5 Slot - 7.5" Freestanding
- 7 Slot - 10.5" Freestanding
- 10 Slot - 15" Freestanding
- 10 Slot - 19" Rack Mount
- 7 Slots with Raspberry Pi Module - 19" Rack Mount



**Networking Modules**

- GCIP: 1 slot; single RJ45 10/100 ethernet connection
- GCSW-P: 2 slots; 2 ports RJ45 10/100 ethernet switch; PoE (recommended with Raspberry Pi)

**Other Available Modules** IR, Serial, Contact Closure, Sensor, HDMI, Raspberry Pi

# GLOBAL CONNECT

## DATA SHEET - GCHMX3

### CONNECT ANY DEVICE TO A NETWORK

#### GCHMX3 MODULE FEATURES

- Integrated web server for easy configuration
- CEC injection and CEC snooping
- HDCP 2.2
- 3:1 HDMI switching
- Supports 18Gbps, including UHD 4K 4:4:4@60fps 8bit or 4K 4:2:0@60fps 16bit
- Network controlled switching
- Requires 2 GC Chassis slots
- HDMI cable from Raspberry Pi to the front panel included
- Two year limited warranty
- Support available via phone, email, and portal
- Certifications: Tested to CE, FCC, CTick, RoHS



*Note: For a list of all available pre-configured Global Connect models, see Global Connect Product Overview.*



160 East California Street  
PO Box 1659  
Jacksonville, OR 97530

[www.globalcache.com](http://www.globalcache.com)

541.899.4800 tel  
541.899.4808 fax