

MQ-7200M SERIES

WEB-BASED ETHERNET I/O MODULES

Introduction

The MQ-7200M series is a web-based Ethernet I/O module equipped with a built-in web server allows the user to configure module and control/monitor the status of digital I/O by simply using a regular web browser. Support for MQTT protocol makes it easy to connect sensors to Industrial Internet of Things (IIoT) system via the MQ-7200M series module. Users can simply and effectively control/monitor remote sensors with MQTT client tools on the PC/NB or mobile devices.



Features

1. Support for MQTT Protocol

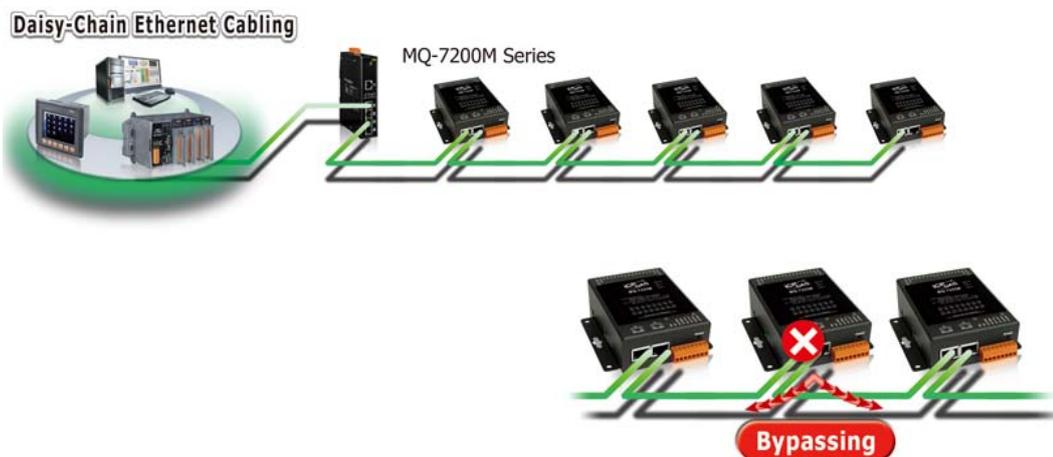
MQTT stands for Message Queuing Telemetry Transport. It is a machine-to-machine (M2M)/"Internet of Things" connectivity protocol with extremely lightweight publish/subscribe messaging transport. It is useful for mobile applications because of its small size, low power usage, minimized data packets, and efficient distribution of information to one or many receivers.

2. Built-in I/O

Various I/O components are mixed with multiple channels in a single I/O module, which provides the most cost effective I/O usage and enhances performance of the I/O operations.

3. Daisy-Chain Ethernet Cabling

The MQ-7200M Series has a built-in two-port Ethernet switch to implement daisy-chain topology. The cabling is much easier and total costs of cable and switch are significantly reduced.



6. Highly Reliable Under Harsh Environment

Wide Operating Temperature Range: -25 ~ +75°C

Storage Temperature: -30 ~ +80°C

Humidity 10 ~ 90% RH (Non-condensing)



7. Power-on Value and Safe Value

Power-on value and Safe Value are designed to improve system safety:

Power-on Value: The Power-on Value is loaded into the digital output when the module is powered on or reset by Module Watchdog.

Safe Value: When the Communication Watchdog is enabled and a Communication Watchdog timeout occurs, the "safe value" is loaded into the digital output.

8. LED indicators for DIO status

The LED indicators are used to indicate the status of digital I/O on the MQ-7200M.



9. Two pair of power input pins

The MQ-7200M has 4 pins as two pairs for power input to ease the wiring.

Model	Channel	Type	MQ-7200M Digital I/O Module		Channel	Type	Sink/Source
			DO Sink/Source	Max. Load Current @ 25 °C			
NEW MQ-7244M			Sink			Wet	
NEW MQ-7252M	8	Open Collector	Source	650 mA/Channel	8	Wet	Sink, Source
NEW MQ-7255M			Source			Dry, Wet	
NEW MQ-7251M	-	-	-	-	16	Wet	Sink, Source
NEW MQ-7253M						Dry	Source