

Your vision, automated



# MCOM601LORA



## WIRELESS LORA GATEWAY – UP TO 20KM LOS COMMUNICATION

The MCOM601LoRa is an industrial long-range wireless LoRa RTU developed by MCOM Technology for remote monitoring and control applications. It provides reliable wireless communication over distances of up to 20 km (Line of Sight), making it ideal for industrial automation, telemetry and remote data acquisition systems.

The device features 4 Digital Inputs, 5 Digital Outputs, RS232 and RS485 communication interfaces, enabling seamless integration with PLCs, controllers, sensors, and other industrial equipment. With support for Transparent and Command modes, as well as Repeater and Mesh networking, the MCOM601LoRa offers a flexible and reliable solution for long-range industrial communication.

### ➤ FEATURES

- Up to 20 km LOS Communication
- 4 Digital Inputs (DI)
- 5 Digital Outputs (DO)
- RS232 & RS485 Communication
- Transparent & Command Modes
- Repeater & Mesh Network Support
- High RF Output Power
- Industrial Grade Design
- DIN Rail Mounting

## ➤ SPECIFICATIONS

Frequency Band	868 MHz
Supply Voltage	24 VDC
Communication Range	Up to 20 km LOS
Communication Ports	RS232 X 1, RS485 X 1
I/O ports	4 X DI, 5 X DO
Baud rate (bps)	1200 ~ 115200
Network Modes	Transparent, Command
Network Support	Repeater, Mesh
Operating Temperature	-40°C to +85°C
Storage temperature	-30 ~ +80°C
Mounting	DIN Rail

- **LED Indicators**

Tx / Rx / PWR	Green / Blue / Yellow
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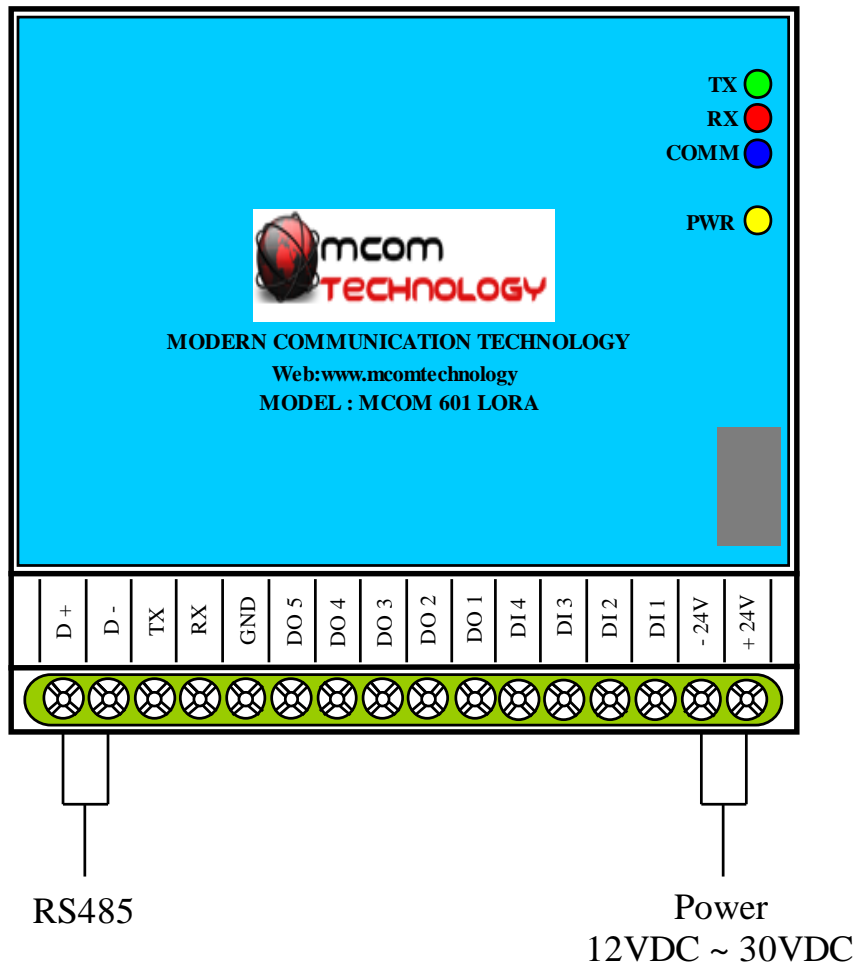
- **EMS Protection**

ESD	±4 kV Contact
EFT	±1 kV
Surge	±1 kV

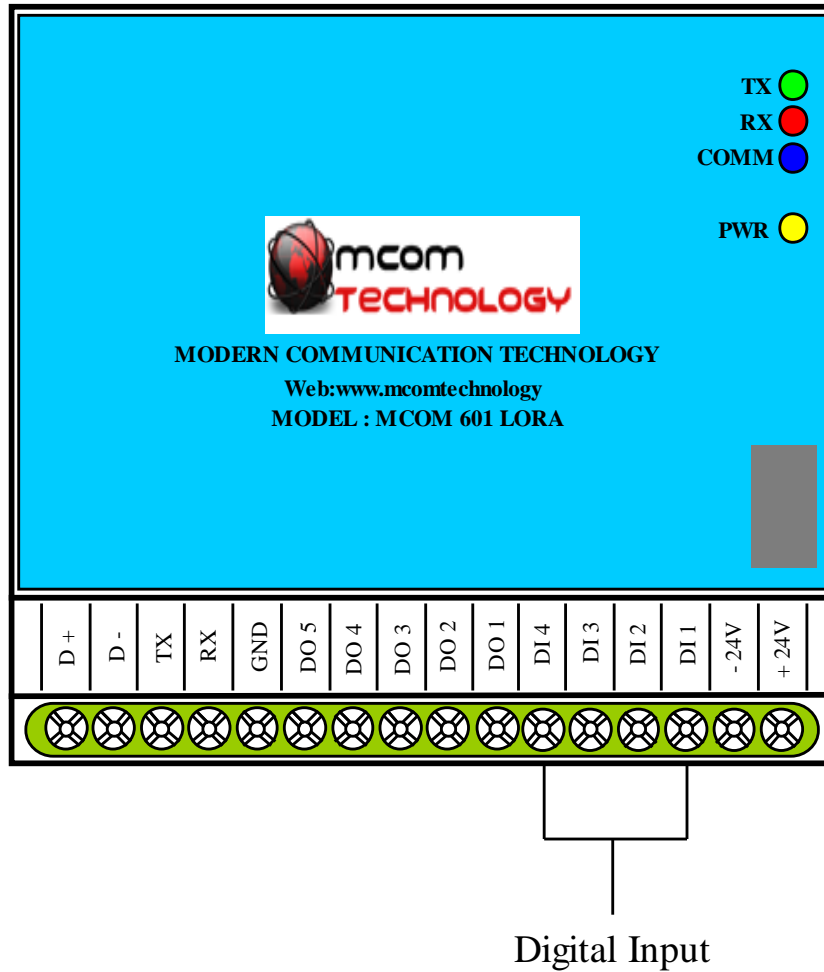
## ➤ APPLICATIONS

- Water Pump Automation
- Industrial Automation
- SCADA Systems
- Tank Level Monitoring
- Utility Meter Reading
- Solar Plant Monitoring
- Agricultural Automation
- Remote I/O Systems
- Telemetry Applications
- Building Management Systems

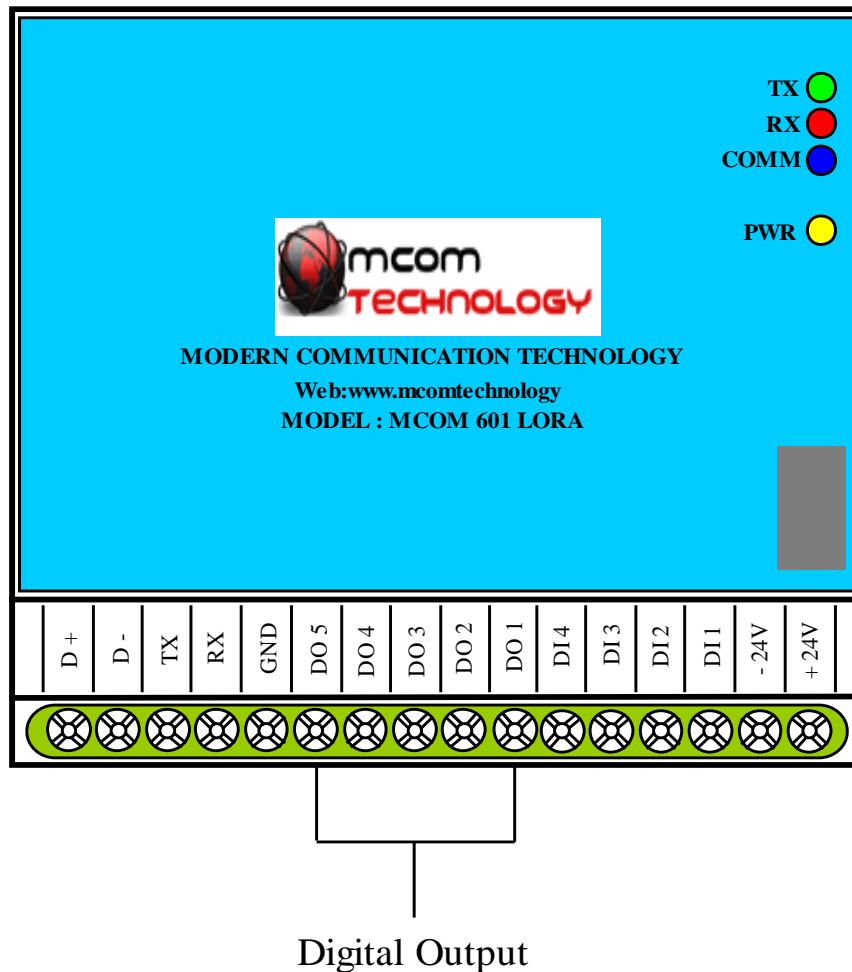
## ➤ POWER & RS485



## ➤ DIGITAL INPUT



## ➤ DIGITAL OUTPUT



**MODERN COMMUNICATION TECHNOLOGY**

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