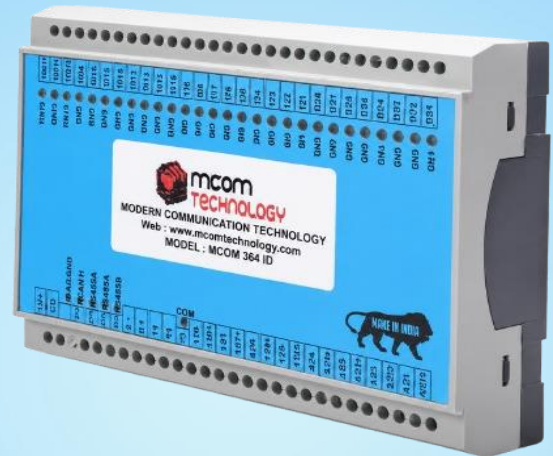


Your vision, automated



MCOM304IO

INDUSTRIAL INPUT OUTPUT MODULE



The MCOM304IO is an industrial I/O expansion module offering 16 digital inputs, 16 digital outputs, and 8 analog outputs with photocoupler isolation. It supports RS-485 Modbus RTU communication and is designed for reliable automation, control, and monitoring applications.

➤ FEATURES

- Source-type Digital Outputs.
- Sink-type Digital Inputs.
- Photocoupler Isolation.
- Single-ended for Analog Output.
- Resolution: 12 bit for Analog Output.
- Watchdog.
- Cost-effective.
- Wide Operating Temperature Range: -25 °C ~ +75 °C.

➤ INPUT OUTPUT SPECIFICATIONS

| Digital Input | |
|-----------------------|-------------------------|
| Input Channels | 16 |
| Type | Wet Contact (Sink) |
| On Voltage Level | +12.0 VDC ~ 30 VDC |
| Off Voltage Level | +11 V max. |
| Input Impedance | 10 K Ω , 0.66 W |
| Digital Output | |
| Output Channels | 16 |
| Type | Open Collector (Source) |
| Max. Load Current | 500 mA/channel |
| Load Voltage | +12 VDC ~ +30 VDC |
| Analog Output | |
| Output Channels | 8 |
| Type | 0 ~ 20 mA/ 4 ~ 20 mA |

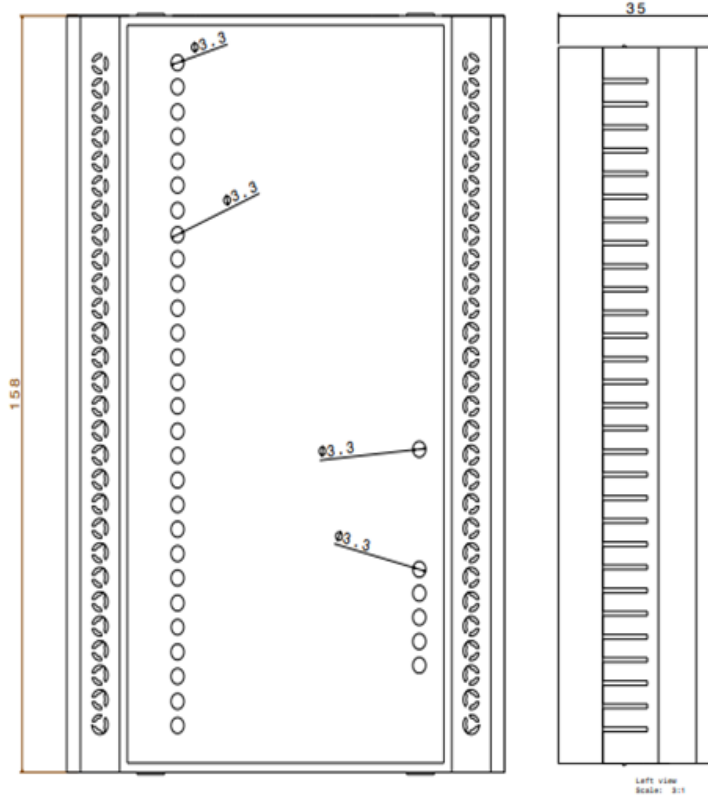
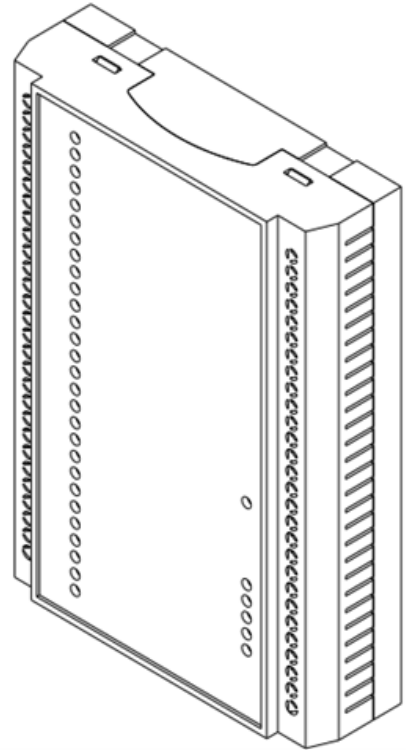
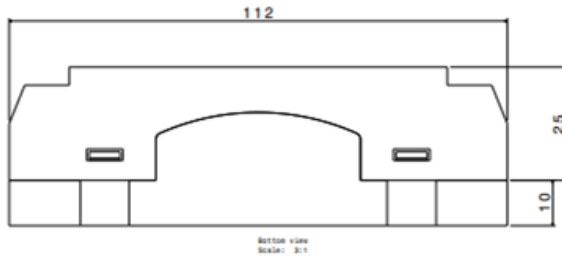
➤ SYSTEM SPECIFICATIONS

| COMMUNICATION | |
|-----------------------------|--|
| Interface | RS-485 |
| Format | (N, 8, 1), (N, 8, 2), (O, 8, 1), (E, 8, 1) |
| Baud Rate | 1200 ~ 115200 bps |
| Protocol | Modbus/RTU |
| Watchdog | Yes |
| POWER REQUIREMENTS | |
| Reverse Polarity Protection | Yes |
| Powered from Terminal Block | Yes, 12 ~ 30 VDC |
| Consumption | 0.5 W Max. |
| ENVIRONMENT | |
| Operating Temperature | -25 °C ~ +75 °C |
| Storage Temperature | -30 °C ~ +75 °C |
| Humidity | 10 ~ 95% RH, Non-condensing |

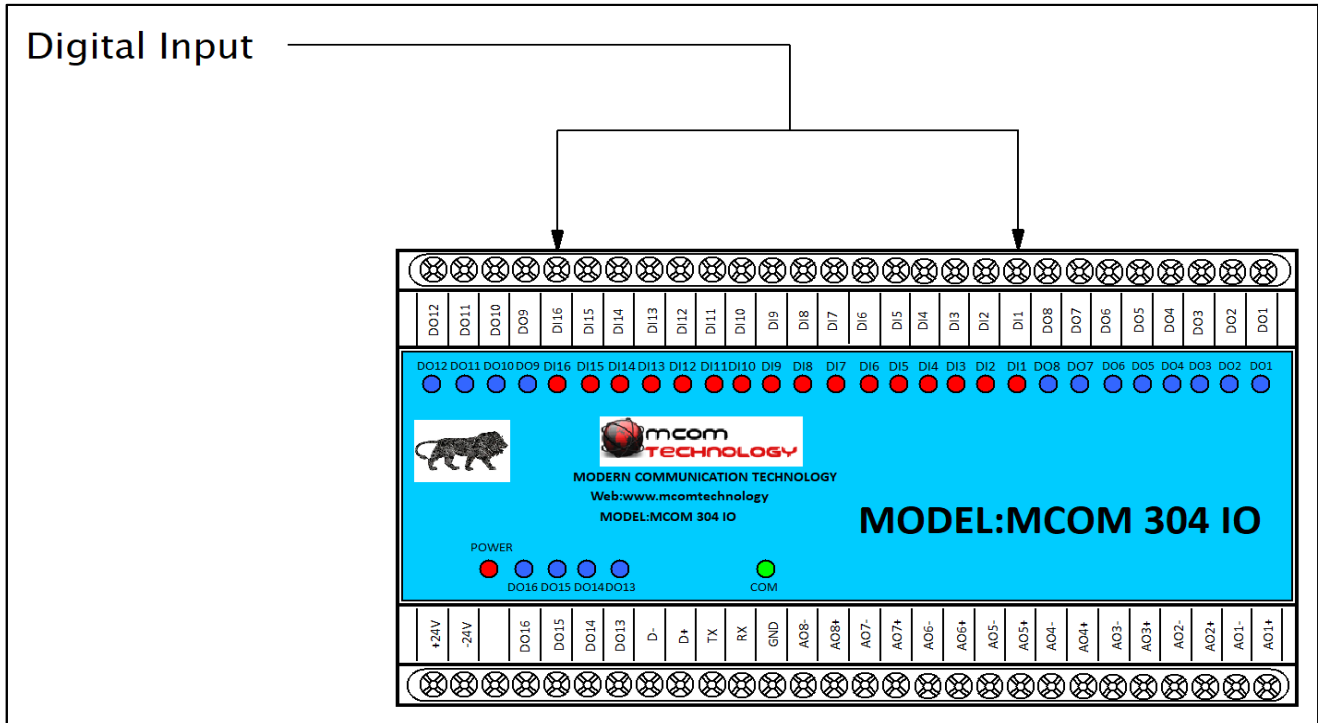
➤ APPLICATIONS

- Industrial Automation
- Industrial Machinery
- Building Automation
- Food and Beverage Systems
- Semiconductor Fabrication
- Control Systems

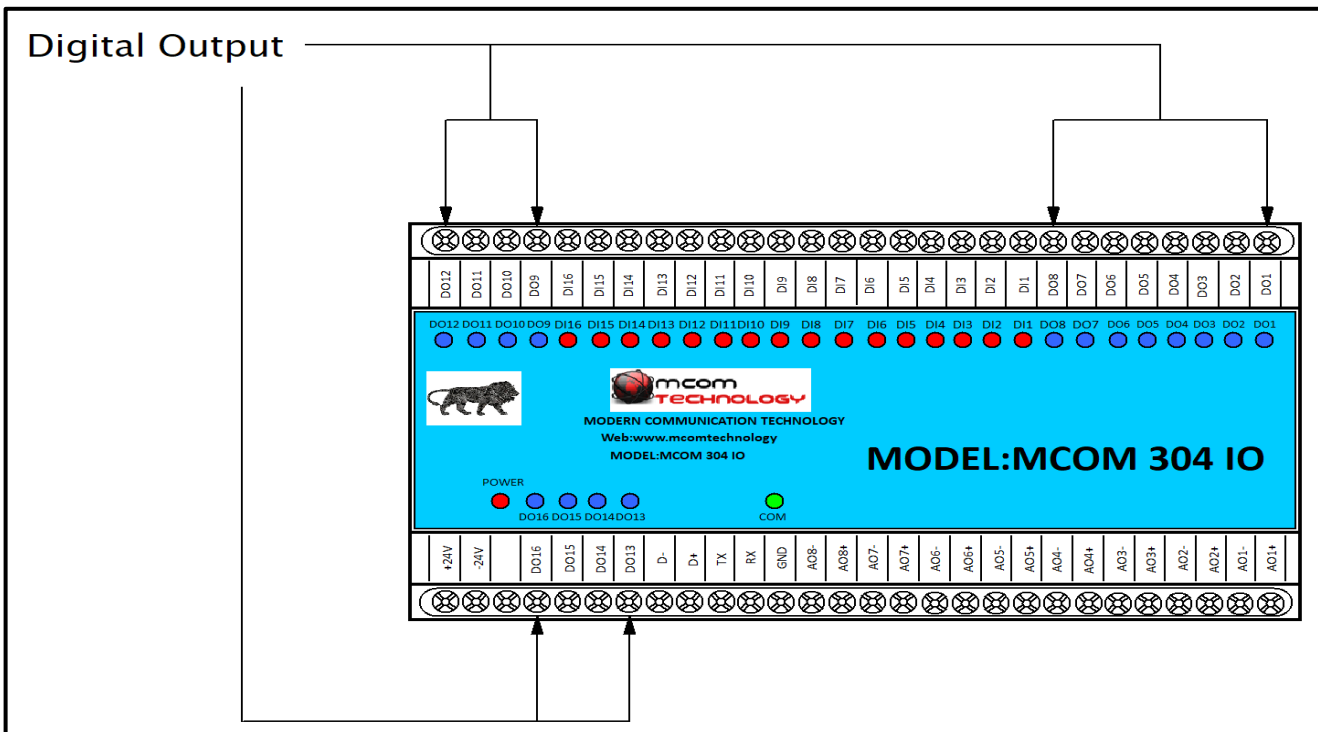
➤ DIMENSION DIAGRAM



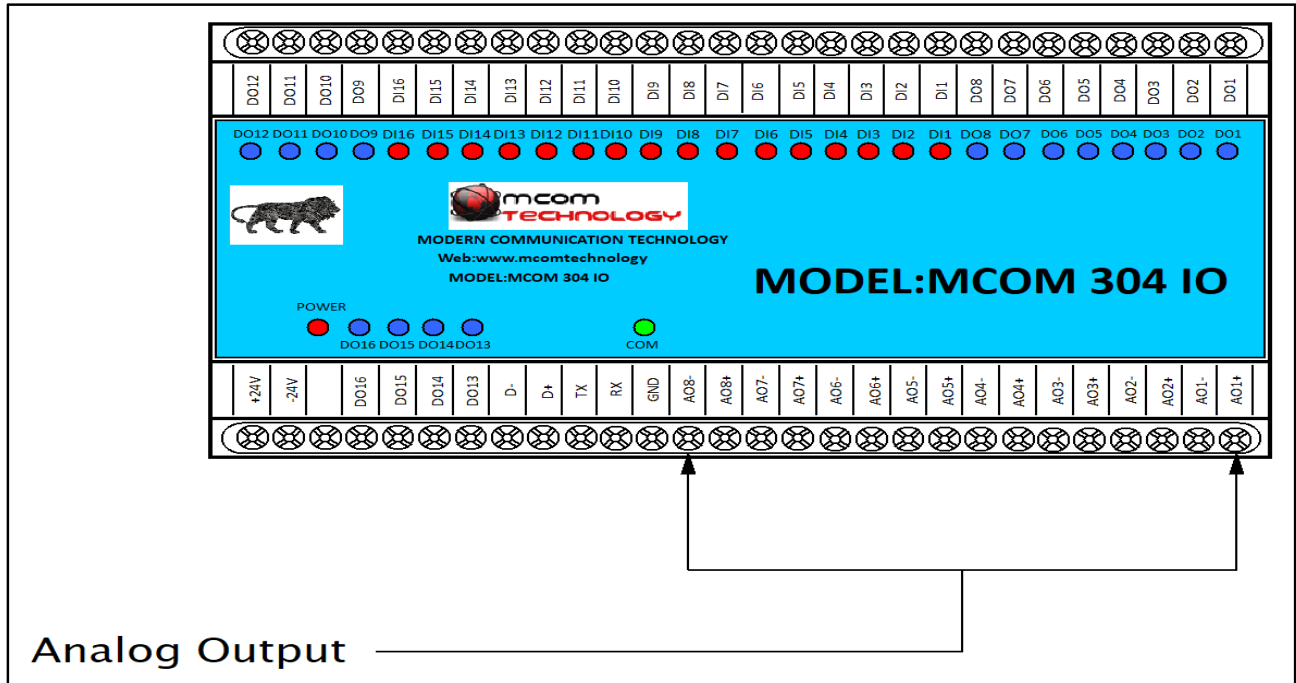
➤ DIGITAL INPUT



➤ DIGITAL OUTPUT



➤ ANALOG OUTPUT



➤ POWER & RS485

