RS-485 Remote I/O Modules

MDA-8416
16-Channel Isolated Digital Output Module

System Specification

**Communication**
- Interface: RS-485
- Format: N, 8, 1
- Baud Rate: 9600 ~ 115200 bps
- Protocol: Modbus RTU

**LED Indicator**
- Power Indicator: 1
- Communication Indicator: 1
- I/O Indicator: 16

**Isolation**
- Voltage: 3000V DC

**Power**
- Input Range: 24V DC ±10%
- Consumption: Approx. 1W
- Reverse Polarity Protection: With

**Environment**
- Operating Temperature: -25 ~ +75 °C
- Storage Temperature: -40 ~ +85 °C
- Humidity: 10 ~ 95% RH, Non-condensing

I/O Specification

**Digital Output**
- Channels: 16 Sink
- Output Type: Open Collector (NPN)
- Load Voltage: +3.5V ~ +50 V
- Max Load Current: 100mA per channel
- Surge Protection: ±3 kV for Power Input

**Feature**
- 16 Digital Output
- On/Off Control Systems
- Industrial Automation
- Building Automation
- Semiconductor Fabrication

**Internal I/O Structure**

**Pin Assignments**

**Wire Connections**

**Drive Relay**

**Resistance Load**