



Features

Hardware

Main Processor	16-bit, 32MHz, 128kB XLP MCU
Memory	64kB EEPROM, 8KB SRAM
Led	Status LED
Sound	Not Supported
Button	Replaceable Addressing Switch
RTC	Not Supported
Operating Temperature	0°C ~ 50°C (32°F ~ +122°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ +158°F)
Operating/Storage Humidity	0% ~ 80% / 0% ~ 95%, noncondensing
Dimensions	212 mm x 91 mm x 57 mm
Certificates	TS EN 55024/A1:2016 (EN 55024/A1:2015) TS EN 55032/A1:2021 (EN 55032/A1:2020) TS EN 62368-1:2020 – AC:2020 – A11:2020

Interface

Wi-Fi	Not Supported
Ethernet	Not Supported
RS-485	One (1) Channel Slave (38,400 Bd.)
RS-232	Not Supported
Wiegand	Eight (8) Channels
Relay	Eight (8) Relays Max. Switching Voltage: 277 VAC – 28 VDC Max. Switching Current: 10 A
Inputs	Sixteen (16) Multi-Functional
USB	Not Supported
SD Card	Not Supported
PoE	Not Supported

- ❖ W8R8IO16 Expansion Unit can be easily scaled up with V Series and M Series devices.
- ❖ Provides high-security communication with 128-bit AES encryption over the RS-485 wiring.

Power

Power Supply	DC 12V, Min. 500mA
Built-in Lithium Battery	Not Supported

Connection

RS485	24 AWG, 120 Ω impedance, 3-conductor multi-stranded twisted cable, with a separate power supply, up to 1000 m maximum (3280.84ft)
Wiegand	24 AWG, 5-conductor multi-stranded shielded cable 40,0 m (131.23 ft), maximum
Montage Type	Rail Mounting

Connection Diagram



Configuration

