



Features

Hardware

Main Processor	32-bit ARM Cortex™-A7, 900MHz
Memory	512 MB DDR3L RAM + 8 GB eMMC
Led	Multicolor
Sound	Buzzer
Button	Two (2) Buttons
RTC	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	105.0 mm x 91.0 mm x 58.5 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	RJ45 (10/100 Mbps)
RS-485	Two (2) Master channel
RS-232	One (1) Channel
Wiegand	Not Supported
Relay	Two (2) Relays: max. switch voltage: 30 VDC max. switch power: 2 A
Inputs	Eight (8) Normally Open Inputs; Six (6) Multifunctional Two (2) Fire Alarm
USB	Two (2) USB 2.0 (Host)
SD Card	One (1) Micro SD (max. 64 GB)
PoE	Not Supported

- ❖ M5 Main Control Module can be easily scaled up with IO2R1, W4R4IO8, and W8R8IO16 expansion modules.
- ❖ 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	3V, CR1220

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 m (131.23 ft), maximum
Montage Type	Rail Mounting

Connection Diagram



Configuration

