



Product ID: IPexRFID
Category: IP Controller and Accessories

Access control/attendance device. MIFARE / ISO/IEC 14443 Type A and NFC card reader. Includes an output for controlling low-power electronic locks.

TECHNICAL SPECIFICATIONS

CPU	32-bit MIPS microcontroller @ 64 MHz with 256 KB Flash and 64 KB RAM
Memory	4 MB DataFlash for configuration data storage (3Mb available to the user). 32KB EEPROM memory for configuration data
Real-time clock	External battery
Watchdog timer (WDT)	Internal watchdog available
Equipment configuration	Basic configuration via the embedded web server
LED indicators	3 status LEDs

I/O AND COMMUNICATIONS PORTS

I/O	2 digital inputs for potential-free contacts. 1 digital output for controlling a low-power 12 V lock, 250 mA max. 250mA max
Additional I/O	Supports up to 16 slave terminals connected to a single master terminal via RS-485.
I/O protection	The I/O ports are protected against incorrect wiring with the following restrictions: Maximum I/O voltage: 20 VDC
Communication ports	1 × RS-485 port (maximum bus length: 100 m). 10/100 Mbps Ethernet connection (PoE model only).

POWER REQUIREMENTS

Supply voltage	Master terminals are powered via 48 V PoE; slave terminals (RS-485) require 12 VDC.
Consumption	Sleep mode: 32.5 mA (IP PoE) / 58.5 mA (RS-485) Door unlocking: 102 mA (IP PoE) / 225 mA (RS-485)

ENVIRONMENTAL CONDITIONS

Operating temperature	-25° ~ 60°C
Humidity	5% ~ 95% (non-condensing)

ORDER INFORMATION

Minimum order quantity	1
Order reference	IPexRFID

CONSTRUCTION FEATURES

Dimensions	96x71x39mm (W/H/D)
Enclosure material	ABS plastic
Mounting type	Surface mounting box or universal recessed mechanism boxes
IP rating	IP20

Weight	IPexRFID slave without enclosure 28g IPexRFID master without enclosure 38g IPexRFID enclosure 125g
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CERTIFICATES AND DECLARATIONS

Standards	EN 61000-6-2:2019 EN 61000-6-3:2007 + A1:2011
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RoHS compliant
(Directive 2011/65/EU)