

Magic III Series

Standard and mini RFID readers



Standard | Keypad | Mini keypad

Third-generation Magic readers with rim-lit feedback and Wiegand/OSDP output. Standard and mini enclosures support different mounting conditions, with touch-keypad and optional QR/Bluetooth configurations.

Design and functions

- 125 kHz options include EM, HID Prox, WSE and Indala.
- 13.56 MHz options include Mifare, Mifare Plus, DESFire EV1/EV2/EV3, LEGIC, FeliCa and Fudan CPU; SSID, PS21 and CEPAS options.
- Touch-sensor keypad with doorbell trigger when the star key is pressed.
- Controller-driven rim lighting provides access-status feedback.
- Universal backplate and non-drop bottom screw simplify installation.
- IP65, tamper protection, reverse-power protection and static-charge protection.
- Configurable Wiegand and OSDP outputs using a reader configuration card.

Configuration and operation

Configuration window	5 seconds by default or 30 minutes after power-up
Output format	32-, 34-, 56- or 64-bit CSN/UID forward/backward; file-content reading for programmed ID
Keypad output	4-bit / 8-bit / 26-bit
Buzzer	Reader and controller by default, or controller only
Rim light	Controller-driven blue, red and green; default white

Magic III Series

Technical specifications

Read range	2–8 cm, depending on RFID technology
Output	Wiegand + OSDP
Wiring distance	Wiegand 150 m / OSDP 1200 m; 22 AWG shielded cable
Supply / current	10–24 VDC / 160 mA max
Temperature	–20 to +70 °C
Humidity	10–90%
Standard dimensions / weight	120 × 85 × 26 mm / 166 g
Mini dimensions / weight	120 × 45 × 26 mm / 86 g
Housing / colours	PC + ABS / black or white
Protection	IP65; tamper, reverse-power and static-charge protection

Model selection

Model structure	X1 X2 N1 N2 N3 – N4 X3
RF prefix	HR = 125 kHz; MW = Mifare; MH = Mifare + 125 kHz; DM = DESFire; LE = LEGIC; FD = Fudan CPU; FS = Fudan CPU with SM1; MT = multi-tech; TH = multi-tech + 125 kHz; MO = Indala
Function / enclosure	N1: 3 = standard reader; N2: 4 = standard, M = mini
Reading mode	N3: 2 = UID/card number; 3 = HF sector
Connection / keypad	N4: 8 = pigtail; X3: N = no keypad, K = keypad