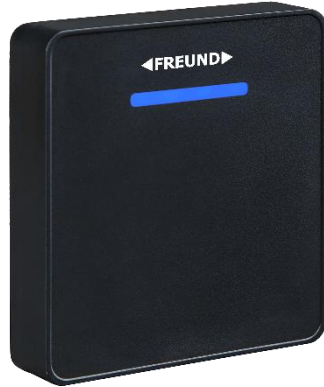


FE-MF-TWR & FE-MF-WR - READERS DATASHEET

WIEGAND READER



FE-MF-WR



FE-MF-TWR

SPECIFICATION		
Model	FE-MF-WR	FE-MF-TWR
RFID card type	Mifare/NFC/BLE	Mifare/NFC/BLE
Verification time	100ms	100ms
Power consumption	150mA	200mA
Communication	WG26/34	WG26/34
LED	Red/Green/Blue	Red/Green/Blue
Transmit distance	100 meters	100 meters
ESD protection	+2.5KV	+2.5KV
Built-in Watch Dog	Yes	Yes
IP65 rated weatherproof	Yes	Yes
Card collision diagram	Yes	Yes
Self-diagnostic	Yes	Yes
Surge protection	Yes	Yes
Buzzer	Yes	Yes
Power requirement	DC 9~24V(200mA)	DC 9~24V(200mA)
Operation temperature	-20C ~ 70C	-20C ~ 70C
Operation humidity	5% ~ 80% RH	5% ~ 80% RH

Dimensions	84.2 x 93.7 x 20mm	84.2 x 93.7 x 20mm
Supporting both MiFare Classic and Desfire cards	Yes	Yes
Supporting 8HN10D and 8HR10D format	Yes	Yes

Readers FE-MF-WR and FE-MF-TWR support following standards 8HR10D and 8HN10D. These standards cover reading bytes from right to left (Normally) and from left to right (Reverse).

They also support 4-byte and 7-byte cards. When reading 7-byte card, reader deletes first 3 MSB (Most Significant Bits), and reads it like 4-byte card.

FREUND ELEKTRONIK A/S, IN COOPERATION WITH ITS SISTER COMPANY FREUND ELEKTRONIKA SARAJEVO, IS DEVELOPING IP-BASED INTERCOM, AUDIO, ACCESS CONTROL AND SMART HOME SOLUTIONS.

WE HAVE MORE THAN 30 YEARS OF EXPERIENCE IN THIS TECHNOLOGY FIELD AS DEVELOPER, MANUFACTURER AND RESALER COMPANY.

IN THE INDUSTRY, WE NEGOTIATE THE MOST INNOVATIVE SOLUTIONS WITHIN BUILDING COMMUNICATION. WE HAVE DAILY FOCUS ON DEVELOPMENT AND USER-FRIENDLINESS AND OUR PRODUCTS HAVE TECHNICAL HIGH QUALITY AND PLEASANT DESIGN.

AS A DEVELOPER AND MANUFACTURER OF OUR OWN IP-INTEGRA SYSTEMS, WE ARE ON TOP OF THE MOST ADVANCED SYSTEMS FOR DOOR TELEPHONY, PUBLIC AUDIO AND ACCESS CONTROL SOLUTIONS.

OUR DEVELOPMENT DEPARTMENT HAVE DEVOLPED, TOGETHER WITH OUR PARTNERS, ELEGANT AND ROBUST DOORPHONES, SIP-CENTRALS, TERMINALS, IP-SPEAKERS, ACC-CONTROLLERS AND APPLICATIONS WITH INTELLIGENT FEATURES AND THE MOST ADVANCED TECHNOLOGY, BUT AT THE SAME TIME EASY FOR OUR CUSTOMERS TO USE.

FREUND GROUP IS ONE OF THE TOP PROVIDERS ON THE MARKET FOR IP-BASED BUILDING CONTROL AND COMMUNICATION AND RELATED SYSTEMS.