PROMAG™

DF700&DF710

DESFire®/Mifare® Sector Reader

DF700/DF710 series are available for user's end configuration by applying Mifare® sector and MIFARE® DESFire technology. They can be configured to read MIFARE® or MIFARE® DESFire card with MAD1/MAD2 or MAD 3 standard in a Mifare® application open system, or can be configured to read the user-defined sector data (Non-MAD) in a user defined closed system.

Specifications:

Security	DES & 3DES MACing / Encipherment
Interface	**DF700**: RS232 **DF710**: RS485
Power Requirements	7.5 V~24 V *A regulated power is recommended
Card type	MIFARE® DESFire (4K/8K for MAD3), MIFARE® Classic (1K/4K for MAD1/MAD2)
Maximum reading distance	Mifare:Up to 6 cm (MFA01A) ; DESFire:Up to 3 cm (CRD-T0011) @12V
Frequency	13.56 MHz standard
Card format	MAD1 / MAD2, and MAD3
Audio / Visual Indication	Internal LED and Buzzer
Dimensions	L82.5 x W46.5. x D15.0 mm
Housing material	ABS housing
Environment	Operating temperature 0 °C ~ +60 °C ; Operating relative humidity 10~90%
Protection Classification	IP66
Certification	R&TTE / FCC

∗Specification is subject to change without notice.

Applications:

- Access Control System.
- Time attendance.
- Guest registration system.
- Authorization Identification.
- Identity Authentication.

Company profile:

Giga-Tms was established in Taiwan in 1987 as a magnetic technology products manufacturer. Ten years later, as soon as the company's CEO noticed the new RFID technique, he immediately foresaw its potential and engaged the R&D group in RFID. Now with its 21 years experience, Giga-Tms owns not only proven RFID techniques of superior standard but also makes reliable products for long life.

Giga-Tms always takes into account providing flexible and customized services to every customer.

Although based in Taiwan, Giga-Tms exports 90 percent of the annual production mostly to worldwide market.

Now in its 21 year, Giga-Tms is looking to strength its image through increased advertising, while remaining faithful to its principles: prioritize the customer.

Indoor/outdoor Design	Weather resistant **Protection classification IP66**
Security	mutual three pass authentication, DES & 3DES MACing / Encipherment.
3 in 1 Output Interface	Wiegand (Default) / ABA TK2 / RS232 or RS485 Wiegand output is selectable from 1 bits to 128 bits RS232/RS485 output packet can be set with Header, Reader ID and trailer
LED/Buzzer	Internal LED and buzzer are configurable or control with RS232 commands or wires.
Multi-Applications	Supports MIFARE MAD1/MAD2, DESFire® Files standard and customer MAD-AID setting. Supports Non-MAD format with user-defined sector number.
Multi-Readers	Can be set with a Reader ID number for multi-unit communication
Certification	R&TTE / FCC

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