

## DESFire®/Mifare® Sector Reader

DF700A & DF710A 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                 | DF700A: RS232<br>DF710A: RS485  |
| Power Requirements        | 9 V~24 V<br>*A regulated power is recommended                                 |
| Card type                 | MIFARE® DESFire (2K/4K/8K for MAD3),<br>MIFARE® Classic (1K/4K for MAD1/MAD2) |
| Maximum reading distance  | Mifare:Up to 6 cm (MFA01A) ;<br>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 ;<br>Operating relative humidity 10~90%   |
| Protection Classification | IP66  |
| Certification             | R&TTE / FCC   |

\* Specification is subject to change without notice.



|                         |   |
|-------------------------|---|
| Indoor/outdoor Design   | Weather resistant with metal keypad. Protection Classification: IP66  |
| Security                | mutual three pass authentication, DES & 3DES MACing / Encipherment.   |
| 3 in 1 Output Interface | Wiegand (Default) / ABA TK2 / RS232 or RS485<br>Wiegand output is selectable from 1 bits to 128 bits<br>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   |

### Applications:

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

### GIGA-TMS INC.

8F, NO. 31, LANE 169, KANG-NING STREET,  
HSI-CHIH DIST, NEW TAIPEI CITY, TAIWAN  
Tel: 886-2-26954214 Fax: 886-2-26954213  
<http://www.gigatms.com.tw/>  
Email: [promag@gigatms.com.tw](mailto:promag@gigatms.com.tw)  
[promag@ms24.hinet.net](mailto:promag@ms24.hinet.net)