S50/S70 Mifare Smart Card Silicon Wristband

MIFARE has been selected as the most successful contactless smart card technology. In addition, MIFARE is the perfect solution for applications, like Public transportation, Access management, Event ticketing and Gaming. MIFARE contactless smart card is developed and manufactured by NXP Semiconductors (founded by PHILIPS). Each card has a unique serial number. MIFARE complies with the international standard ISO/IEC 14443 Type A, which is used in more than 80% of all contactless smart cards today.

Key Features

- 2 x 48 bit keys per sector for key hierarchy
- Access conditions free configurable based on 2 level key hierarchy
- Read/Write capability
- Number of single write operations: 100,000
- Data retention: 10 years
- Material: Silicon

Specifications

	1K byte (S50)	4Kbyte (S70)
Communication		
Frequency	13.56MHz	
Protocol	ISO14443 TypeA	
Read Range	Up to 3cm	
Memory	1Kbyte EEPROM (768Byte free available) - 6 securely separated sectors supporting multi-application. - Each sector consists 4 blocks with a length of 16 Byte	4Kbyte EEPROM (3480 Byte free available) - 40 securely separated sectors supporting multi-application. - 32 sectors consist of 4 blocks (16 Bytes/Block) - 8 sectors consist of 16 blocks (16 Bytes/Block)
General		
Size	∅62mm/66.5mm/70mm	
Working Environment	-20℃ to 50℃ 10% to 90% RH	
Color	Black , Red, Blue and White	