

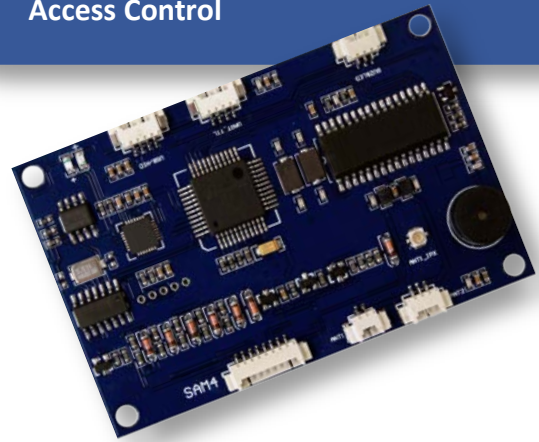
The iDTRONIC HF Modules M850 and M860 have been designed to support ISO 14443A + MIFARE family tags. They also support ISO 7816, 15693 and 18000-3. Reading distances of up to 10 cm are possible with an external antenna (UFL connector). iDTRONIC offers a choice of different suitable antenna formats.

The iDTRONIC embedded HF Modules M850 and M860 deliver full SAM support (ISO7816) with 4 or 3 integrated SAM slots.

Full SDK and MS Windows based application SW are provided. An Antenna 35 x 50 mm with 2 Pin Connector is included.

Applications

- Identification
- Ticketing
- Payment
- Access Control



Technical Data

Mechanical Specifications

Dimensions: 76 × 48 × 8 mm

Electrical Specifications

Power Supply: DC 2.7 – 5.5V
Power Consumption: < 100 mA
Antenna: external
Reading Distance: up to 10 cm
Operating System: MS Windows, Linux
Interface: TTL
SAM Support: 3 / 4 SAM slot
Signals: 1 × Buzzer

Supported Standards / Tags

ISO 14443A, 7816, 15693, 18000-3
NXP MIFARE Ultralight® / Ultralight® C
MIFARE® Classic Mini / 1K / 4K
MIFARE® DESFire®, SmartMX
CPU Cards (T=0, T=1)

Environmental Conditions

Operating Temperature: -20°C ... +70 °C
Humidity: 5 % to 95 %
(non-condensing)

Order Codes

4 SAM: OEM-MF-M850-4SAM-TTL
3 SAM: OEM-MF-M860-3SAMSC-TTL

Available Antennas

Antenna Size	Connector	Order Code
20 x 30 mm	M8 UFL	OEM-HF-M8-A910-UFL
20 x 40 mm	M8 UFL	OEM-HF-M8-A911-UFL
35 x 50 mm	M8 UFL	OEM-HF-M8-A912-UFL
80 x 80 mm	M8 UFL	OEM-HF-M8-A913-UFL
60 x 80 mm	M8 UFL	OEM-HF-M8-A914-UFL
54 x 86 mm	M8 UFL	OEM-HF-M8-A915-UFL
49x 55 mm	M8 UFL	OEM-HF-M8-A916-UFL
HF Connecting Cable	M8	OEM-HF-M8-CC