



HFM 6X Reader

The HERMOS RFID HFM reader is a reader of the HERMOS HFM class (HF midrange). With an adjustable output power of up to 1W, demanding tasks in the HF range can be realized. The reader can also be used in metallic environments. With six antenna connections, linking to many identification points is possible. RS232 and Ethernet are available as data interfaces.

Technology

HFM Reader (HF Midrange 13,56 MHz)

Components

- » RS232 and Ethernet data interface
- » 6 antenna ports
- » 4 DIP switches and 3 status LEDs
- » I/O module with inputs and outputs per antenna port

Functions

- » power supply via Ethernet (PoE) possible
- » adjustable transmit power
- » adjustable polling mode
- » Configurable test mode with optical display
- » Automatic reading function

Features

- » Transponder identifiable according to ISO 15693
- » Applications also in metallic environment
- » uncomplicated setting by means of DIP switch
- » reader available with different IO modules

The highlights

Six antenna ports

Cost-saving concept due to the extended number of identification points.

Various configurations available

The number of antenna ports available can be customized. Different I/O modules are available.

RS232 and Ethernet interface

Easy and uncomplicated integration due to RS232 and Ethernet interface. ASCII and SECS/HSMS are available as data protocols.

Adjustable transmit power

Flexible reading range, adjustable according to requirements.

Power over Ethernet (PoE)

Savings potential by using PoE within the network infrastructure, relief of the cost budget by less power supplies and less cabling.

Polling mode adjustable for each antenna

Automated reading processes simplify operations and control efforts.

Configurable test mode with visual display

Visual monitoring of read characteristics through configurable test mode by means of DIP switches.

Part number	Description			
	Interfaces	Protocol	Antennas	I/Os
HRF.R.HFM.6S.AA.10.20A	Ethernet, RS232	ASCII	SMA	Without
HRF.R.HFM.6L.AA.10.20A	Ethernet, RS232	ASCII	LEMO	Without
HRF.R.HFM.6S.SA.10.20A	Ethernet, RS232	SECS	SMA	Without
HRF.R.HFM.6L.SA.10.20A	Ethernet, RS232	SECS	LEMO	Without

HFM Generation 20A readers are 100% compatible with Generation 10A.

(Further variants and customer-specific configurations available on request)



IO modules with part number, interface, protocol and number of antennas can be found on the following pages.

Technical data

Interface: RS232, Ethernet
 Protocols: ASCII; SECS/HSMS
 Antenna port: 6
 Frequency: 13.56MHz, ISO15693
 Transmit power: 1 W
 Dimensions: 130 x 124 x 45 mm
 Weight: 590 g
 Housing material: aluminum black/nature anodized

Protection class: IP40
 Operating temperature: 0 °C to 50 °C
 Storage temperature: -25 °C to 70 °C
 Permissible humidity: at 50°C 25% to 80%
 Current consumption: 60 mA (passive)
 140 mA (read/write pulse)
 Voltage: 18 - 30 V
 Conformity: CE, RoHS, REACH

