



# UFS Compact Reader

The HERMOS UFS COMPACT READER is a read/write device for UHF transponders according to ISO 18000-6C. Due to its small design, the COMPACT Reader is ideally suited for direct operation at the reading point. It is equipped with an integrated antenna and can optionally be operated with 2 additional external antennas. A low installation and cabling effort is achieved by using Ethernet (PoE). The operating states are signaled by 3 integrated status LEDs. Optional 4 additional LEDs and a buzzer can be used by the user to visualize application states.

## Technology

UHF Reader (ISO 18000-6C Class1 Gen2)

## Components

- » Rugged plastic housing
- » PoE Ethernet data interface
- » 3 status LEDs, optional 4 user LEDs and buzzer
- » Sensor input (PNP, 12V, 150mA)
- » Optional 2 ext. antenna connectors

## Functions

- » Compact UHF reader with medium range
- » Status indication via LEDs and buzzer
- » External read and write function
- » Automatic reading function (polling)
- » Sensor-triggered reading
- » Optical and acoustic display

## Features

- » Low cabling effort due to Ethernet (PoE)
- » Typical reading range up to 50cm
- » Easy integration into existing processes
- » Flexible parameterization and software updates via Ethernet

## The highlights

### Compact housing

Compact design allows direct mounting at the reading point.

### Integrated antenna

The reader is already equipped with an integrated antenna (optionally up to 2 remote antennas).

### Flexible configuration

Parameterization data and software updates can be carried out remotely.

### Minimal cabling effort

Minimized cabling effort due to the use of Ethernet (PoE) for power supply and as a data interface.

### Simple process integration

Easy integration of the RFID solution into existing processes.

### Customer-specific adaptations

Customer-specific functionalities can be implementable.

Item number	Description		
	Interfaces	Protocol	IOs
HRF.R.UFS.0I.AV.CP.10A	Ethernet, PoE	ASCII	Sensor connection PNP
HRF.R.UFS.0I.AV.CL.10A	Ethernet, PoE	ASCII	Without sensor connection 6x LEDs
HRF.R.UFS.2SI.AV.CPL.10A	Ethernet, PoE	ASCII	Sensor connection PNP 6x LED, 2x ext. antenna connection

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

## Technical data

**Interface:** Ethernet (PoE)  
**Protocols:** ASCII  
**Antenna:** integrated, optional 2x external SMA  
**Frequency:** 865 - 868 MHz (Europe)  
ISO 18000-6C (EPCglobal Class 1 Gen2)  
**Transmit power:** 3 - 22 dBm (adjustable in 1dB steps)  
**Dimensions:** 127 x 71 x 36 mm  
**Weight:** 200 g

**Housing material:** ABS, dark gray  
**Protection class:** IP20  
**Operating temperature:** -10 °C to 50 °C  
**Storage temperature:** -40 °C to 85 °C  
**Permissible humidity:** at 50°C 25% to 80%  
**Power supply:** PoE (48VDC)  
**Power consumption:** PoE class 1  
**Compliance:** CE, RoHS, REACH

