



LFM Reader E84

The HERMOS LFM RFID Reader E84 is a read/write device of the HERMOS LFM class with extended connection options for the complete connection to automated transport systems. The device is designed for load ports and has connection options for 4 RFID read heads with antennas, sensors and LEDs. For communication with a transport system the reader offers 4 interfaces according to SEMI standard E84. A barcode reader and an E-Ink display can be connected to each port.

Technology

LFM Reader 134,2 kHz

Components

- » USB and Ethernet data interface
- » 4 antenna ports with sensors and LEDs
- » 4 E84 (D-Sub25) and barcode interfaces (D-Sub9)
- » 4 display ports

Functions

- » Supports Enhanced Carrier Handoff according to SEMI E84
- » Automatic antenna tuning
- » Automatic read function
- » Status outputs on display

Die Highlights

USB and Ethernet interface

Easy and uncomplicated integration due to USB and Ethernet interface. Savings potential due to use of PoE within the network infrastructure.

Enhanced Carrier Handoff (SEMI E84)

Simple expansion of transport systems with manual input and output stations.

Automatic tuning

Optimal adaptation of antenna tuning to the environmental conditions enables use even in metallic environments.

Customized adaptations

Customized transfer stations for AMHS systems available.



Item number	Description			
	Interfaces	Protocol	Antennas	I/Os
HRF.R.LFM.4S.SB.EB.10A	Ethernet, USB, 4xBC, 4xE84	ASCII / SECS	SMA	without
HRF.R.LFM.4S.SB.EBC.10A	Ethernet, USB, BC, E84	ASCII / SECS	SMA	4 In-, 4 Outputs
HRF.R.LFM.4S.SB.EBM.10A	Ethernet, USB, BC, E84	ASCII / SECS	SMA	4 M8 4-pin für Lasersensor

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

Technical data

Interface: Ethernet, USB
Protocols: ASCII, HSMS
Antenna port: 4
Frequency: 134.2 kHz; ISO18000-2; TIRIS
Dimensions: 130 x 124 x 45 mm
Weight: 500 g
Housing material: black anodized aluminum

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: 75 mA / 300 mA (passive/active)
Voltage: 20 - 28 VDC or PoE (48VDC)
Conformity: CE, RoHS, REACH

