



RFID Division

Hardware | Reader
RFID Reader
Series HF70

RFID Reader Long Range

13.56 MHz



Ready
for
RFID ?

* Radio Frequency Identification

- For ISO15693, I-Code, Tag-it, Infineon my-d, Infineon my-d secure, Philips EPC and Philips UID transponders
- RS232 or Ethernet interface
- 4 antenna ports
- Polling mode for each antenna port adjustable

- Configurable test mode with visual indicator
- Software-Updates per RS232 interface
- Different plug and play antennas available



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Identification by radio frequency (RFID) is independent of contact or intervisibility. So the exchange of data works even through all sorts of materials as plastic, paper, glass, liquids, dust, or the like, as long as they are not electroconductive.

A passive 13.56 MHz transponder (i.e. without internal source of energy) mounted in or at the product stores the particular identification code and communicates with the Transponder Reader Long Range 4 Port.

The Reader communicates with ISO15693, I-Code, Tag-it, Infineon my-d, Infineon my-d secure, Philips EPC and Philips UID transponders.

The Transponder Reader Long Range 4 Port transfers the data through a serial RS232 or an Ethernet interface alternatively.

Connections for up to four antennas make the Transponder Reader Long Range 4 Port exceptionally suitable for applications requiring many reading points or gates

and keep the costs for RFID integration down.

Numerous plug and play antenna types enable to adjust to different reading distances and applications.

Optional:

Connection of further I/Os, for instance displays or sensing devices via I²C-bus.

Additional software tuning reducing the susceptibility to trouble and allowing the adjustment to different length of the antenna cable.

Tuning of the antenna without additional hardware.

Test mode for checking of the reading range.

Part number

THG-E1ML-1000-F4-00E1

Technical data

Protocol	ASC-II
Serial interface RS232	9.6 kBd - 57.6 kBd
Ethernet interface	10/100BaseT
HF output	8.0 W
Dimensions	105 mm x 180 mm x 76 mm 4.1 in. x 6.7 in. x 3.0 in.
Weight	1200 g 42.3 oz
Operating temperature	0°C to 50°C 32°F to 122°F
Storage temperature	-20°C to 70°C -4°F to 158°F
Permissible humidity	25% to 80% at 50°C 50°F
Protection mode	IP40
Housing	ALU
Voltage	12 +/- 10% V DC
Current	1.25 A
Reading / Writing impulse	140 mA



THG-E1ML-1000-F4-00E1
View antenna ports and I/Os

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Optional:

- Connection of further I/Os, for instance displays or sensing devices
- Additional software tuning reducing the susceptibility to trouble and allowing the adjustment to different length of the antenna cable
- Tuning of the antenna without additional hardware
- Test mode for checking of the reading range