



## Ha-VIS RFID RF-R200 Reader

### Advantages

- One internal antenna (up to 30 cm)
- One external antenna (SMA)
- Flexible through large external antenna portfolio
- Power over Ethernet
- For distributed identification points
- Small size and DIN rail mounting
- Easy integration in machines or cabinets

### General Description

The Ha-VIS RF-R200 is a cost-efficient mid range reader licensed according to ETSI, FCC und IC.

Due to its very compact design, the Ha-VIS RF-R200 is best suited for integration in machines as well as office applications

Characteristics:

- very compact
- can easily be integrated in machines
- internal antenna for applications with limited space
- one external antenna makes numerous application possible
- 0.5 W transmission power
- Power over Ethernet

Identification	Part number	Drawing	Dimensions in mm
Ha-VIS RFID RF-R200-PoE	20 91 106 1101		
Ha-VIS RFID RF-R200 (module) (no housing)	20 91 106 1103		
<b>Optional accessories</b>			
DIN Rail mounting Kit for RF-R200	20 93 102 0202		
Mounting Kit (screwings)	20 93 102 0203		
Power supply (EU)	20 93 310 0203		

## Technical characteristics

<b>Transponder protocol</b>	EPC class Gen2 (ISO 18000-6-c)
<b>UHF RFID antenna interface</b>	
Antenna connection	one internal antenna (up to 20 cm read range) up to 3 x SMA connector (50 Ohm) RF-R200 (module) only
Transmitting Power	max.0.5 W configurable
Frequency area	860 MHz ... 960 MHz (depending on specific reader)
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>RF-R200 (PoE) Ethernet (TCP/IP) 10/100 Mbit/s; Full Spec. 802.3</li> <li>RF-R200 (module); RS 323 (serial), USB</li> </ul>
<b>Performance</b>	
Max.Operating Distance	Up to 2 m, depending on transponder & environmental conditions
<b>Protocol Modi</b>	<ul style="list-style-type: none"> <li>Host Mode</li> <li>Notification Mode (Ha-VIS RFID RF-R200 (PoE))</li> <li>Scan Mode (Ha-VIS RFID RF-R200 (module))</li> <li>Buffered read mode</li> </ul>
<b>Power Supply</b>	
Power supply	12 V ... 24 V DC
Power consumption	max. 7 W
<b>Design features</b>	
Dimensions (W x H x D)	145 x 85 x 27 mm
Degree of protection acc. to DIN 60 529	IP 30
Installation on DIN rail	DIN rail mounting kit (optional accessories)
<b>Environmental conditions</b>	
Operating temperature	-25 °C ... +45 °C (PoE) -25 °C ... +55 °C (module)
Storage temperature	-25 °C ... +85 °C
Relative humidity	5 % ... 95 % (non-condensing)
Vibration	EN 60 068-2-6 10 Hz ... 150 Hz: 0.075 mm / 1 g
Shock	EN 60 068-2-27 Acceleration: 30 g

## Technical characteristics

### Norms & Safety

Radio license

- EN 302 208
- FCC 47 FCR Part 15
- IC RSS-GEN, RSS-210

EMC

EN 301 489

Safety

EN 60 950

RoHS compliant

Extras

- Internal overheating control
- Demo- and configuration software Ha-VIS RFID config