

Ha-VIS RFID RF-R300-M



Image is for illustration purposes only. Please refer to product description.

Part number	20 91 105 2101
Specification	Ha-VIS RFID RF-R300-M
HARTING eCatalogue	https://b2b.harting.com/20911052101

Identification

Series	Ha-VIS RFID
Element	Reader
Specification	RF-R300-M
Features	<ul style="list-style-type: none">2G/3G/4G communication and WLAN-capable (2G only in Europe)Designed for the harsh industrial environmentTested according industry standardsReady for software customisationHa-VIS Middleware compatibleOPC UA for AutoID CompanionModbus/TCP communicationGS1[®] ALE 1.1 based MiddlewareFor configuration, a WiFi antenna is required

Version

Processor	1 GHz ARM
Memory	<ul style="list-style-type: none">1 GB RAM4 GB eMMCUp to 32 GB Flash (via Micro SD Card)
Operating system	Linux (Kernel 3.x.x)
Fixing	DIN rail mounting kit
Diagnostic display	<ul style="list-style-type: none">LEDs to display operating stateLEDs to display connection status

Termination data

Supply voltage	24 V DC
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Termination data

Interfaces	GSM: 2G/3G/4G
	WiFi: 802.11a/b/g/n
	WPA/WPA2 Enterprise
	Bluetooth Low Energy (BLE) 4
	GNSS (GPS)
Protocol	EPC Class 1 Gen2 (ISO 18000-6c)
	LLRP (Low Level Reader Protocol, worldwide standardised)
	OPC UA for AutoID Companion
	Modbus/TCP for an easy PLC connection
	Embedded middleware functionality based on the GS1 [®] ALE 1.1 standard
Termination method	2 x RP-TNC connector (50 Ohm) reader internally multiplexed

Technical characteristics

Operating temperature	-20 ... +45 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 ... 95 % Non-condensing
Degree of protection acc. to IEC 60529	IP67
Frequency	865 ... 928 MHz
Transmitting power	0.5 W

Material properties

Material (hood/housing)	Aluminium
Surface (hood/housing)	Powder-coated
Length	132 mm
Width	104 mm
Height	35 mm
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead



Specifications and approvals

Specifications	EN 301489
	EN 302208
	IEC 60068-2-27
	EN 50364
	IEC 60068-2-6
	EN 60950
	FCC 47 FCR Part 15 IC RSS-GEN, RSS-210

Commercial data

Packaging size	1
Net weight	640 g
Country of origin	Germany
European customs tariff number	84719000
eCl@ss	90909090 Interim classification (unspecified)