



Ha-VIS RFID Handheld RF-M3000 mobile UHF RFID Reader

Advantages

- Robust
- Flexible
- For industrial applications

General Description

The Ha-VIS RF-M3000 is a powerful mobile RFID Reader, approved acc. to ETSI, FCC und IC.

Properties:

- Highly sensitive receiver for extended reading range
- Robuste housing
- High protection class IP 65
- WLAN, Bluetooth and RFID in one handheld
- Large, very bright display
- Very long battery life (> 8 h)
- Highly modular

Identification	Part number	Drawing	Dimensions in mm
Ha-VIS RFID Handheld RF-M3000 standard configuration: <ul style="list-style-type: none"> • WLAN • Bluetooth • large keyboard • no barcode scanner 	20 91 211 1011		
Ha-VIS RFID Handheld RF-M3001 additional to Ha-VIS RF-M3000 with: <ul style="list-style-type: none"> • 1D Laser Scanner 	20 91 211 1111		
Ha-VIS RFID Handheld RF-M3002 additional to Ha-VIS RF-M3000 with: <ul style="list-style-type: none"> • 2D Imager 	20 91 211 1311		
Optional: <ul style="list-style-type: none"> • GPS • small keyboard • GPRS • 3G HSDPA 	on request		
Recommended accessories:			
High capacity battery	20 93 405 0101		
Docking Station Desktop	20 93 305 0101		
Docking Station Quad	20 93 305 0102		

All data represent the current state of development at the time of print and are therefore non-binding.

HARTING reserves the right to modify designs without prior notice.

Technical characteristics

Processor and memory	PXA270 624 MHz Processor 1 GB FLASH ROM 256 MB RAM
Operating system	Windows(R) CE 5
Wireless communication	WLAN 802.11 b/g Compact Flash Bluetooth ® Class II, V 2.0 + EDR
Barcode scanner	1D Laser Scanner Long Range or 2D Area Imager Optional pistol grip
RFID module	UHF module Frequency 868 MHz or 915 MHz Tag supported: EPC Class 1 Gen 2; other protocols on request Reading-Writing distance up to 250 cm
External connections	Tether-Port for RS 232 and USB On-The-Go (USB 1.1) Docking-connector DC power jack
User interface	VGA colour touchscreen 3,6", resolution 480x640, TFT Sunlight readable (for outdoor use), LED backlight Touch screen pencil (stylus) or finger operation Keyboard (alphanumeric ABCDEF); alternatives on request Audio: 90 dB speaker, microfon, beeper
Programming environment	HTML, XML Mobile Devices SDK .NET and C++ via Microsoft Visual Studio® 2005 Java programming support JDK 1.2. or higher Standard Protocol APIs Windows sockets (CE.net)
Expansion slots	SD/MMC memory card slot 100-pin Expansion interface supports PCMCIA (Type II), GPRS/EDGE One Type II CF card slot
Power management	4400 mAh High capacity Accu (3,7 V) Advanced Smart Battery System Built-in Charger
Environmental	Withstands several drops from 1,8 m to polished concrete while powered on and configured with accessories Rain/Dust: IP 65, IEC 60 629 Operating temperature: -20 °C ... +50 °C Storage temperature: -40 °C ... +60 °C Relative humidity: 5 % ... 95 % (non-condensing) ESD +/- 8 kV DC air discharge; +/- 4 kV DC contact
Dimensions (W x H x D)	223 mm x 75/100 mm x 31/42 mm
Approvals	Safety CSA/UL60950-1, IEC 60950-1, EN 60950-1 EMC FCC Part15 Class B EN 55022; EN 55024; EN 301 489 Laser IEC 60825-1, Class 2 FDA 21 CFR 1040.10, 1040.11 Class II Bluetooth 1.2 In-vehicle cradle: e Mark