

# TECHNICAL SPECIFICATIONS for PROGLOVE (Workaround Gmbh) SYSTEM “MARK ONE S” containing SCANNER MARK ONE S, ACCESS POINT ONE S, CHARGING STATION

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## APPLICATION AREA

Average industrial application like assembly and logistics. For usage in other areas please contact the supplier.

## TECHNICAL SPECIFICATIONS

### WIRELESS COMMUNICATION

FREQUENCY RANGE	863-870 MHz on 70 channels with 100 kHz spacing
TRANSMISSION POWER	<20mW
ENCRYPTION	AES-128
RANGE	Free field: >60m ** Indoor: 15-30m ** **This can decrease in obstructed environments (e.g. with walls, metal racks, machines)

This product supports AFA (Adaptive Frequency Agility) with LBT (Listen Before Talk), automatic switch to unoccupied frequencies to avoid collisions and to ensure safe data transmission.

### BARCODE DECODING CAPABILITY

1D	All major 1D
2D	PDF417, MicroPDF417, Datamatrix, QR Code, Micro QR Code, Aztec, RSS, Composite, TLC-39, MaxiCode
POSTAL	US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)

### ELECTRICAL

BATTERY TYPE	Lithium-Polymer
CHARGING PERIOD	3 hours* with power supply SAW-0501200
OPERATING TIME / SCANS	8 hours (1 Shift) and 3000+ Scans or 16 hours (2 Shifts) and 1500+ Scans depending on use case and environmental conditions
POWER SUPPLY CHARGING STATION	5 VDC (1,2A) with power supply SAW-0501200
POWER SUPPLY ACCESS POINT USB CONNECTION	5 VDC (0,5A) via Host Computer
POWER SUPPLY ACCESS POINT RS232 CONNECTION	12 VDC (1A) with power supply PG12-10P55

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## ENVIRONMENTAL CONDITIONS

DROP RESISTANCE	Scan Module: 50+ drops from 2.0 m onto concrete
PROTECTION FROM DUST AND WATER	Scan module: IP54 Charger: IP40 Access Point: IP22
TEMPERATURE:	Operating: 0 - 50 °C Storage : 0 - 50 °C

## INTERFACES

ACCESS POINT	USB CDC / RS-232, 9600, 19200, 38400, 57600, 115.200 baud USB HID (keyboard input on host), Layouts: <ul style="list-style-type: none"><li>• Croatian #</li><li>• Czech</li><li>• English (GB)</li><li>• English (US)</li><li>• French (Belgium) #</li><li>• French (Canada) #</li><li>• French (France)</li><li>• German (Germany)</li><li>• German (Switzerland) #</li><li>• Italian #</li><li>• Portuguese (Brazil) #</li><li>• Portuguese (Portugal)</li><li>• Slovakian #</li><li>• Slovenian</li><li>• Spanish</li><li>• Other languages: on request</li></ul> Languages tagged with # are not supported in the preseries
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## PHYSICAL CHARACTERISTICS

DIMENSIONS	Scan Modul: 50 x 45 x 15 mm Access Point: 138 x 64 x 33 mm Charging Station:: 118 x 63 x 37 mm
WEIGHT	Scan Modul: <40 g Access Point: <100g (excluding cable) Charging Station: <200g

## READING PERFORMANCE



FIELD OF VIEW	Horizontal: 42°, Vertical: 28°
SKEW, PITCH & ROLL	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°
AMBIENT LIGHT	Max 107,639 lux (direct sunlight)

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## DECODE RANGES

Smallest feature in the barcode (the mil-inch (mm) number in front indicates the size of the smallest feature in the barcode)	Applicable distance between user and barcode
4 mil (0.102 mm) Code 39	3.3 in./8.4 cm to 8.8 in./22.4 cm
5 mil (0.127 mm) Code 128	2.8 in./7.1 cm to 8.2 in./20.8 cm
5 mil (0.127 mm) Code 39	2.0 in./5.08 cm to 13.5 in./34.3 cm
5 mil (0.127 mm) PDF417	3.1 in./7.9 cm to 8.4 in./21.3 cm
10 mil (0.254 mm) DataMatrix  Example: A 10 mil DataMatrix symbol capable of carrying 25 alphanumeric characters has a size of 4.57 mm * 4.57 mm	2.9 in./7.4 cm to 10.1 in./25.7 cm
100% UPCA	1.8 in./4.6 cm to 26.0 in./66.0 cm
20 mil (0.508 mm) Code 39	2.0 in./5.08 cm to 30.0 in./76.2 cm

## CERTIFICATION AND DETAILS - Access Point, Scan Module and Charger

MARKING:	 
RADIO:	EN 61000-3- 3:2013 EN 61000-3- 2:2006 + A1:2009 + A2:2009 EN 301 489-3 V1.6.1 EN 301 489-1 V1.9.2 EN 300 220-2 V2.4.1
OTHER:	Safety/LVD testing according to EN 60950-1:2006 + AC:2011 + A11:2009 + A12:2012 + A1:2010 + A2:2013
LED CLASSIFICATION:	Exempt Risk Group LED product according to IEC/EN 62471
COMPLIANCE WITH ENVIRONMENTAL PROTECTION:	Corresponds to EU ROHS