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

APPLICATION AREA

For use in manufacturing, assembly, warehousing, inbound and outbound logistics, picking and packing, etc.
Anywhere where 1 and 2 D Barcodes are in use and being scanned.

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATION

FREQUENCY RANGE	902 to 928 MHz
TRANSMISSION POWER	< 10 dBm
ENCRYPTION	AES-128
RANGE	Outdoors (LOS) : <200 Ft ** Indoors (LOS): 50 to 100 Ft ** **The range can vary if there are walls, racks and machines in the area of use.

This product has Adaptive Frequency Agility (AFA) and an automatic Listen Before Talk (LBT) switch to find unoccupied frequencies to ensure safe, secure and accurate 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 or SYS1561-1105
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 or SYS1561-1105
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 5 Ft onto concrete
PROTECTION FROM DUST AND WATER	Scan module: IP54 Charger: IP40 Access Point: IP22
TEMPERATURE:	Operating: 32 to 122 *F Charging : 32 to 122 *F

INTERFACES

ACCESS POINT	USB CDC / RS-232, 9600, 19200, 38400, 57600, 115.200 baud USB HID (keyboard input on host), Layouts: ● Croatian ● Czech ● English (GB) ● English (US) ● French (Belgium) ● French (Canada) ● French (France) ● German (Germany) ● German (Switzerland) ● Italian ● Portuguese (Brazil) ● Portuguese (Portugal) ● Slovakian ● Slovenian ● Spanish ● Other languages: on request

PHYSICAL CHARACTERISTICS

DIMENSIONS	Scan Module: 2 x 1.75 x .5 in Access Point: 5.5 x 2.5 x 1.3 in Charging Station: 4.75 x 2.5 x 1.5 in
WEIGHT	Scan Module: <1.4 oz Access Point: <3.5 oz (excluding cable) Charging Station: <7 oz

READING PERFORMANCE

FIELD OF VIEW	Horizontal: 42°, Vertical: 28°
SKEW, PITCH & ROLL	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°
AMBIENT LIGHT	Max. 10 fc (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:	 FCC Registration: 2AOJL IC Registration: 23450
RADIO:	US (pending approval) FCC Parts 15.107, 15.109 (EMC) FCC Parts 15.207, 15.209 & 15.249 (RF) Canada (pending approval) FCC Parts 15.107, 15.109 (EMC) RSS-210 B.10, RSS-Gen 6.6, 6.12, 6.13 & 8.8 (RF)
OTHER:	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:	Complies with the EU's Restriction Of Hazardous Substances (RoHS) Directive