

TECHNICAL DATA for ProGlove MARK System: SCANNER MARK Basic, CHARGING STATION S

SCOPE OF APPLICATION

Application of the ProGlove system in industrial field, such as production, assembly, logistics. Please contact the manufacturer for other application areas

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATION

BLUETOOTH LOW ENERGY

SUPPORTED BLUETOOTH VERSIONS	Bluetooth Low Energy 4.0, 4.1, 4.2, 5.0, 5.1
TRANSMISSION POWER	≤ 5dBm
ENCRYPTION	AES-128
TRANSMISSION RANGE	Line-of-sight: 10m** (33ft) **may decrease in industrial environments (e.g. due to walls, metal shelving, machines)
PROTOCOL	BLE HID over GATT

BARCODE DECODING CAPABILITY

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

ELECTRICAL PROPERTIES

BATTERY TYPE	Lithium polymer (rechargeable)
CHARGING DURATION	2 hours via power supply: NA: SAW-06D-050-1200GB EU: SYS1561-1105
OPERATING DURATION / SCANS	up to 3000 scans depending on application and environmental conditions
POWER SUPPLY CHARGING STATION	5 VDC (1.2A) via power supply: NA: SAW-06D-050-1200GB EU: SYS1561-1105

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ENVIRONMENTAL CONDITIONS

DROP RESISTANCE	Scanner: Resists > 50 drops from 2m (6.5ft) onto concrete
PROTECTION AGAINST DUST AND WATER	Scanner: IP43 Charging Station: IP20
TEMPERATURE:	Operation: -5 - 50 °C (23 – 122°F) Storage: -20 - 60 °C (-4 – 140°F) Rel. air humidity: 95% (non-condensing)

KEYBOARD LANGUAGES

BLE HID	<ul style="list-style-type: none"> • Croatian • Czech • English (GB) • English (US) • French (Belgium) • French (Canada) • French (France) • German (Germany) • German (Switzerland) • Italian • Portuguese (Brazil) • Portuguese (Portugal) • Slovakian • Slovenian • Spanish
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MECHANICAL PROPERTIES

DIMENSIONS	Scanner: 50 x 45 x 16 mm (1.97 x 1.77 x 0.63 in) Charging Station: 140 x 56 x 19 mm (5.51 x 2.20 x 0.75 in)
WEIGHT	Scanner: 40 g (1.41 oz) Charging Station: 110 g (3.88 oz)

SCANNER PROPERTIES


READING RANGE	mid range: horizontal: 31°, vertical: 23°
SKEW, PITCH & ROLL	Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360°
AMBIENT LIGHT	Maximum of 96,900 lux (direct sunlight)
AIMER	650nm, 1mW

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DECODER RANGES

The smallest symbol in the barcode (the mil-inch (mm) number indicates the size of the smallest function in the barcode)	Possible distance between user and barcode
5 mil (0.127 mm) code 128	7.4 in./18.8 cm to 16.0 in./40.6 cm
5 mil (0.127 mm) PDF417	8.1 in./20.6 cm to 13.1 in./33.3 cm
10 mil (0.254 mm) DataMatrix Example: A 10 mil DataMatrix symbol, which can carry 25 alphanumeric characters, has a size of 4.57 mm * 4.57 mm	7.0 in./17.8 cm to 17.0 in./43.2 cm
100% UPCA	2.3 in./5.8 cm to 38.0 in./96.5 cm
20 mil (0.508 mm) code 39	2.1 in./5.3 cm to 54.0 in./137.2 cm
100 mil (2.54 mm) code 39	11.0 in./ 27.9 cm to 172.0 in./ 436.9 cm

CERTIFICATION AND DETAILS - Scanner and charging station

SYMBOLS	
APPLICABLE DIRECTIVES	<p>EU: 2014/53/EU Radio Equipment Directive (RED) 2011/65/EU Restriction of Hazardous Substances (RoHS)</p> <p>NA: FCC ID: 2AOJL-MARK-2 IC: 23450-MARK2</p>
HARMONIZED PRODUCT STANDARDS	<p>EU: EN 300 220-2 V3.1.1:2017 EN 300 328 V2.1.1:2017 EN 301 489-1 V1.9.2:2016 EN 301 489-17 V3.1.1:2016 EN 301 489-3 V2.1.1:2017 EN 50566:2017 EN 60950-1: 2006 / A11: 2009 / A1:2010 / A12: 2011 / A2:2013</p>
INTERNATIONAL PRODUCT STANDARDS	IEC CB 60950
LED CLASSIFICATION	mid range: According to EN60825-1:2014 and IEC 60825-1 (Ed. 3.0) Laser class 2 device.
COMPLIANCE WITH ENVIRONMENTAL REGULATIONS	Complies with EU-RoHS