ProGlove MARK 2

(mid range or standard range)

WIRELESS COMMUNICATION

SUB-1-GHZ*

Sub-1-GHz data transmission is only possible with ProGlove Access Point.

FREQUENCY RANGE	EU: 863-870 MHz on 70 channels (100 kHz channel spacing) NA: 902-928 MHz on 30 channels (752 kHz channel spacing)
TRANSMISSION RANGE	**ProGlove Access Point** Free field: >60 m (230 ft)** Indoor: 15-30 m (100-130 ft)** **may decrease in industrial environments (e.g. due to walls, metal, shelving, machines)

*This product supports AFA (Adaptive Frequency Agility) with LBT (Listen Before Talk): automatic switch to unoccupied frequencies in order to avoid collisions and to ensure secure data transmission.

BLUETOOTH LOW ENERGY

BLUETOOTH RADIO	Supports Bluetooth Low Energy 4.0, 4.1, 4.2, 5.0	
TRANSMISSION RANGE	**3rd party device** Free field: 40 m (131 ft)** Indoor: 10-20 m (33-66 ft)**	**ProGlove Gateway** Free field: 70 m (230 ft)** Indoor: 30-40 m (100-130 ft)**
	**may decrease in industrial environments (e.g. due to walls, metal shelving, machines)	

BARCODE DECODING CAPABILITIES

1D	Auto decodes all standard 1D codes including GS1 DataBar linear codes et al.
2D	PDF417, MicroPDF417, Data matrix, QR Code, Micro QR Code, Aztec, MaxiCode, et al.
POSTAL	US PostNet, US Planet, UK Postal, Australia Postal, Japan Postal, Dutch Postal (KIX) et Al.

ELECTRICAL PROPERTIES

BATTERY	670 mAh, Lithium polymer (rechargeable)
CHARGING TIME	2 hours with ProGlove Charging Station
OPERATING TIME / SCANS	approx. 10.000 scans depending on the application and environmental conditions

MECHANICAL PROPERTIES

DIMENSIONS	50 x 45 x 16 mm (1.47 x 1.77 x 0.63 in)
WEIGHT	40 g (1.41 oz)

ENVIRONMENTAL CONDITIONS

DROP RESISTANCE	Resists 100 drops from 2 m (6.5 ft) onto concrete
TUMBLES	1000 tumbles from 1 m
PROTECTION AGAINST DUST AND WATER	IP 54
TEMPERATURE	Operating Temperature: -20°C - 50°C (-4°F – 122°F) Charging Temperature: 5°C - 40°C (41°F – 104°F) Storage Temperature: -20°C - 60°C (-4°F – 140°F)
HUMIDITY	5% - 95% non condensing
ELECTROSTATIC DISCHARGE (ESD)	±8kVdc air discharge ±4kVdc contact discharge

INTERFACES

BLUETOOTH	HID Profiles
ANDROID	HID, Insight Mobile (Android) (App/SDK)
IOS	HID, Insight Mobile (iOS) (SDK)
USB	ProGlove Gateway ProGlove Access Point (HID / CDC)
RS232	ProGlove Access Point

SCANNER PROPERTIES

READING FIELD OF VIEW	Standard range: horizontal: 48°, vertical: 36.7° Mid range: horizontal: 31°, vertical 23°
SKEW, PITCH & ROLL	Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360°
AMBIENT LIGHT	0 - 96,900 lux
AIMER	650 nm, 1 mW

UTILITIES & ACCESSORIES*

CONFIGURATION & DEVICE MANAGEMENT	https://insight.proglove.com
DEVELOPER DOCUMENTATION	https://developers.proglove.com
ANDROID INTEGRATION	Insight Mobile: Provides a full featured integration for Android enterprise applications.
GATEWAY INTEGRATION	ProGlove Gateway: Hardware connector to enable the full capabilities of the ProGlove Ecosystem via USB-Interface.
ACCESS POINT CONFIGURATION	ProGlove Access Point: Plug-and-play connection to IPC, Terminal, Tablet via USB (HID/CDC) or RS232. Configuration https://config.proglove.de/
TRIGGER	Scanner can be triggered only with ProGlove wearables (REEL, Index-Trigger et al.)

*More Information on www.proglove.com

SCAN RANGES

Minimum distance determined by symbol length, scan-angle and environmental conditions

STANDARD RANGE

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
3 mil code 39	2.8 in./7.1 cm to 6.2 in./15.8 cm
5 mil code 128	2.3 in./5.8 cm to 8.7 in./22.1 cm
5 mil code PDF417	3.0 in./7.6 cm to 8.1 in./20.6 cm
10 mil DataMatrix	2.4 in.6.1 cm to 10.6 in./26.9 cm
100% UPCA	1.6 in./4.1 cm to 23.0 in./58.4 cm
20 mil code 39	1.6 in./4.1 cm to 36.3 in./92.2 cm

MID RANGE

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

WARRANTY & SLA

WARRANTY	12 months factory warranty
PROGLOVE CARE	36 and 60 months maintenance contracts available. For more information please contact your ProGlove representative or visit https://proglove.com

SAFETY & REGULATORY

RADIO AND ELECTROMAGNETIC COMPATIBILITY	EU: 2014/53/EU Radio Equipment Directive (RED) FCC ID: 2AOJL-MARK-2 IC: 23450-MARK2
ELECTRICAL SAFETY	EU: acc. to 2014/53/EU Radio Equipment Directive (RED) EN 62368-1:2014 + A11:2017 INTERNATIONAL: IEC 62368-1:2014 US: UL 62368-1 and CAN/CSA C22.2 No. 62368-1
LED CLASSIFICATION	Standard Range: Excluded risk group LED product according to IEC/EN 62471
LASER CLASSIFICATION	Mid Range: According to EN 60825-1: 2014 and IEC 60825-1 (Ed. 3.0) Laser class 2 device. Caution Laser Radiation - Do not stare into beam.
ENVIRONMENTAL	RoHS Directive 2011/65/EU; Amendment 2015/863, REACH SVHC 1907/2006, WEEE

COUNTRY CERTIFICATION

Regulatory markings are affixed to the device, indicating that the radio modules are approved for use in the following regions: European Economic Area*, Canada, United States of America, United Mexican States, China.

Detailed information on the regulatory markings can be found in the Declaration of Conformity (DoC) at www.proglove.com

*CE is valid in the European Economic Area and additional countries: Austria, Belgium, Bulgaria, Croatia, Republic of Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom, Iceland, Liechtenstein, Switzerland and Norway.