Technical Specification

ProGlove MARK 2
(mid range or standard range)

WIRELESS COMMUNICATION

- SUB-1 GHz
  - 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: 200 m
  - **may decrease in industrial environments (e.g. due to walls, metal, shelving, machines)

Bluetoooth Low Energy

- Supports Bluetooth Low Energy 4.0, 4.1, 4.2, 5.0
- Indoor: 30 m (98 ft)
- Free field: 70 m (230 ft)
- **may decrease in industrial environments (e.g. due to walls, metal, shelving, machines)

Barcode Decoding Capabilities

- 1D: Code 39, Code 128, DataMatrix, PDF417
- 2D: Code 39, PDF417, Data-Matrix, QR Code, Micro QR Code, Aztec, MaxCode, etc.
- POSTAL: US PostNet, US Planet, UK Postal, Australia Postal, Japan Postal, Dutch Postal (KIX) et al.

Electrical Properties

- Battery: 570 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
- Operating Temperature: -20°C - 50°C (-4°F - 122°F)
- Storage Temperature: -20°C - 60°C (-4°F - 140°F)
- Temperature: 60°C (140°F)
- Humidity: 5% - 95% non-condensing
- Electrostatic Discharge (ESD): ±5kVdc air discharge ±4kVdc contact discharge

Interfaces

- BLUETOOTH: HID Profiles
- ANDROID: HID, ProGlove Connect (App/SDK)
- IOS: HID, ProGlove 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 - 16,900 lux
- Aimer: 650 nm, 1 mW

Utilities & Accessories*

- Configuration Tool & Device Management: https://config.proglove.de
  - Use for barcode, interface, device profile configuration, device management et al.
- Android Integration: ProGlove Connect: 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.
- 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% UPC: 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: 7.0 in./17.8 cm to 17.0 in./43.2 cm
- 100% UPC: 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

- Warranty: 12-month factory warranty

Proglove Care

- 36-month extended guarantee
- For more information contact ProGlove

Safety & Regulatory

- Radio and Electromagnetic Compatibility
  - IEC 60950-1:2005
  - IEC 60950-1:2005/A2:2013 EU:
  - IC: 23450-2
  - FCC ID: 2AOJL
  - IEC 60950-1:2006/A2:2013
  - IEC 60950-1:2006/A2:2013
  - IEC 60950-1:2006/A2:2013
  - IEC 60950-1:2006/A2:2013
  - IEC 60950-1:2006/A2:2013
  - IEC 60950-1:2006/A2:2013
  - IEC 60950-1:2006/A2:2013
  - US:
  - UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07
- LED Classification: Standard Range: Excluded risk group LED product according to IEC/EN 61967

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

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, Serbia, Slovenia, Spain, Sweden, United Kingdom, Iceland, Liechtenstein, Switzerland and Norway.

Product specifications are subject to change without notice. For updated version of product specifications visit: www.proglove.com

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