QuickScan® Mobile QM2100

The QuickScan reader series is Datalogic Scanning's value line of general purpose handheld data collection products. The QuickScan Mobile QM2100 handheld reader is the perfect entry level cordless solution for general purpose data collection applications. For small to mid-size business owners, the freedom of dependable wireless devices has been priced out of reach due to features and functionality that are just not necessary for basic data collection tasks. For simple point-to-point connectivity (single reader to single base station), the QuickScan Mobile reader offers security and reliability with Datalogic's STAR Cordless System. It's fast, easy to use and guaranteed Wi-Fi interference free. Outstanding bar code reading performance and reliability make the QuickScan Mobile reader ideal for use at the point of sale, plus this multi-purpose device can also double for inventory, price checking and shelf replenishment activities. A 12 m / 40 ft radio range provides a wide working area and eliminates the restraints caused by cabled devices, providing a safer and more efficient work environment. The QM2100's cradle provides hands-free reading capabilities and a scan-while-charging feature ensures constant up-time for increased productivity. Datalogic's patented Batch Mode combined with a long lasting lithium-ion battery allows for reliable data collection when out-of-range from the base station. Standard multi-interface capabilities (QM2130) provide host connectivity via USB, RS-232, Keyboard Wedge and Wand Emulation while IBM interface models (QM2110) provide connectivity via IBM46XX, USB and RS-232 emulation. Convenient Plug & Scan kits provide for easy installation and include everything required to get up and running quickly.

Rating: Not Rated Yet
Ask a question about this product

Datalogic

Description

Features

Multi-purpose device for inventory, price checking and shelf replenishment activities

100% Compatible with Datalogic STAR Cordless System™

Radio range (open air) 12 m / 40 ft for point-to-point connectivity

Radio frequencies available in 433 MHz or 910 MHz

User replaceable lithium-ion battery

Scan-while-charging capability

Latch mechanism secures reader in cradle providing stable mobility for use on carts

Batch mode capability

Multi-interface: USB, RS-232, Keyboard Wedge and Wand Emulation

Supports GS1 DataBar™ linear codes

Cordless Communications

- Datalogic STAR Cordless System™
  - Effective Radiated Power
    - 433.92 MHz
      < 10 mW
    - 910 MHz
      < 1 mW
  - Point-to-Point Configuration
  - Radio Frequency
    - 433.92 MHz
    - 910 MHz
  - Radio Range (Open Air)
    - 12.0 m / 40.0 ft

Decoding Capability

- 1D / Linear Codes
  - Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes
- Stacked Codes
  - GS1 DataBar Expanded Stacked
  - GS1 DataBar Stacked
  - GS1 DataBar Stacked Omnidirectional

Electrical

- Battery
  - Battery Type
    - Lithium-Ion, 700 mAh
  - Charge Time
    - External Power
      - 6 Hours
  - Reads per Charge
    - 20,000
- Cradle Indicator LEDs
  - Battery Charging (Red)
  - Charge Completed (Green)
  - Power/Data (Yellow)
- Current
  - Operating (Typical)
    - Charging
      4 W
- Input Voltage
  - 5 +/- 5% VDC

Environmental

- Ambient Light
  - 0 - 100,000 lux
- Drop Resistance
  - Withstands repeated drops from 1.5 m / 4.9 ft onto a concrete surface
- ESD Protection (Air Discharge)
  - 15 kV
- Humidity (Non-Condensing)
  - 0 to 90%
- Particulate and Water Sealing
  - IP30
- Temperature
  - Operating
    - 0 to 40 °C / 32 to 104 °F
  - Storage/Transport
    - -20 to 70 °C / -4 to 158 °F

Interfaces

- RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

Physical Characteristics

- Colors Available
  - Black
  - White
- Dimensions
  - Cradle
    8.0 x 13.0 x 9.0 cm / 3.1 x 5.1 x 3.5 in
  - Reader
    17.1 x 9.0 x 6.8 cm / 6.7 x 3.5 x 2.7 in
- Weight
  - Cradle
    181.0 g / 6.4 oz
  - Reader
    189.0 g / 6.7 oz (Without Batteries)

Reading Performance

- Imager Sensor
  - CCD Solid-state 2088 pixels
- Light Source
  - Illumination
    - LED Array 630 - 670 nm
- Print Contrast Ratio (Minimum)
  - 20%
- Read Rate (Maximum)
  - 235 reads/sec.
- Reading Angle
  - Pitch
    - 75°
  - Roll (Tilt)
    - 30°
  - Skew (Yaw)
    - 70°
- Reading Indicators
  - Beeper (Adjustable Tone)
  - Good Read LED
- Resolution (Maximum)
  - 0.100 mm / 4 mils

Reading Ranges - Typical Depth of Field

- Minimum distance determined by symbol length and scan angle.
- Printing resolution, contrast, and ambient light dependent.
- 5 mils
  - 3.5 to 10.5 cm / 1.4 to 4.1 in
- 7.5 mils
  - 1.5 to 13.5 cm / 0.6 to 5.3 in
- 10 mils
  - 0.5 to 17.0 cm / 0.2 to 6.6 in
- 13 mils
  - 1.0 to 21.5 cm / 0.4 to 8.4 in
- 20 mils
  - 1.0 to 27.0 cm / 0.4 to 10.5 in

Safety & Regulatory

- Agency Approvals
  - The product meets necessary safety and regulatory approvals for its intended use.
  - The Quick Reference Guide for this product can be referred to for a complete list of certifications.
- Environmental Compliance
  - Complies to China RoHS
  - Complies to EU RoHS
- LED Classification
  - EN60825-1 Class 1 LED

Utilities

- Datalogic Aladdin™
  - Datalogic Aladdin configuration program is available for download at no charge
- OPOS / JavaPOS
  - JavaPOS Utilities are available for download at no charge
  - OPOS Utilities are available for download at no charge

Warranty

- 3 Years