

2128P RFID SLED

Hand Held UHF RFID Reader for the Memor™ 10 PDA

DATALOGIC

Together
with

TECHNOLOGY SOLUTIONS
TSL* | Global Leaders in Mobile RFID



MAXIMIZE YOUR INVENTORY ACCURACY

When performing inventory tasks with 2128P the accuracy level is at its highest and provides a reliable stock status that helps customers to make the right business decisions.

TOP PERFORMANCE RFID TAG CAPTURE

Designed to provide the best-in-class performance for quickly reading large numbers of UHF RFID tags, the 2128P reader boasts improved levels of accuracy and RFID read/write performance. All items within range are read simultaneously. In-reader Tag de-duplication software removes duplication of tag reads, thereby improving reading performance and facilitating data flow. Sophisticated user feedback and embedded processes and accelerometers provide the most configurable, in-depth and capable 'search and find' features currently available.

ULTRA SECURE DATA GATHERING

As the ePop-Loq® system provides a wired connection between the Memor 10 and 2128P RFID Reader, sensitive data can be given that extra level of security by avoiding the use of Bluetooth® data transfer.

The 2128P Handheld UHF reader supports batch data collection and is equipped with a Micro SD socket and a real time clock. Up to 500 million transponder EPCs can be stored on a 32 GB Micro SD card. This provides the ability to collect and log data even if USB or Bluetooth communication channels are not available.

EASY TO USE

Thanks to a set of software applications the use of 2128P reader is simplified: RFID Explorer, RFID Tag Finder, RFID Scan Scan Write.

EASY TO RECHARGE

The 2128P Charging Station allows charging of both the 2128P UHF RFID Reader and the Memor10 attached via the active ePop-Loq® case. The recharging operations are simplified and speeded up without the need to disconnect and recharge the two objects separately.

EASY TO ATTACH AND DETACH

The ePop-Loq® allows a fast and reliable way to attach and detach to the Memor 10 and it is designed to safely separate when the reader is subject to large impacts, such as when dropped.

FEATURES

- Provides a larger, fixed high gain antenna for up to 9 m / 29.5 ft of read range
- In-reader Tag de-duplication software
- The integrated ePop-Loq® socket allows for data and charge connections
- Flat landing contact pads, allowing for quicker docking and greater durability
- Bluetooth Version 4.2 technology
- Supports both Bluetooth Classic as well as Bluetooth Low Energy (BLE) connectivity
- Can be operated in Serial Port Profile (SPP) or Human Interface Device mode (HID)
- LED indicators on the rear side of the antenna
- Direct USB Connection for Ultra secure data gathering
- Equipped with a Micro SD socket and real-time clock
- Supports automatic re-connect mode

INDUSTRY - APPLICATION

Retail: In-store and Back Room Inventory, Item location, Price Checking
Transportation & Logistics: Receiving Control, Picking, Item Tracking and Location, Air baggage tracking
Manufacturing: Material/Finished Goods Inventory, Locating, Cycle Counting, Receiving Control, Automatic Replenishment
Healthcare: Surgical Instrument Tracking, Sample Tracking, Blood Bag Tracking, Pharmaceutical and Laboratory Inventory

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TECHNICAL SPECIFICATIONS

RFID PERFORMANCE

Maximum Output Power	34 dBm EIRP
Nominal Read Range¹	Up to 9 m / 29.5 ft
Nominal Write Range¹	Up to 4 m / 13.1 ft
Field	150-degree forward facing
Standard Supported	EPC Class 1 Gen 2
Frequency Range	EU: 865-868 MHz; US:902-928 MHz
Batch Mode Memory	Up to 500 million date and time stamped EPCs can be stored on a 32GB Micro SD Card

¹ Tag Read/Write performance dependent on tag type, items tagged, number of tags in the field and other radio and environmental factors.

COMMUNICATION

Host Mobile Computer	Datalogic's Memor 10 PDA
Direct USB Communication	Active ePop-Loq® case for Memor 10 (ePop-Loq® system)
Bluetooth Wireless Technology	Version 4.2
Bluetooth Profiles	SPP Profile, HID Profile, Bluetooth Low Energy
Bluetooth Range	Up to 100 m / 328 ft
Bluetooth Pairing	Simple Secure Pairing, NFC OOB Pairing

PHYSICAL CHARACTERISTICS

Dimensions	158 x 98 x 170 mm / 6.2 x 3.8 x 6.7 in (LxWxH)
Weight	445 g / 15.7 oz (including battery)
Enclosure Materials	Polycarbonate
User Input	Trigger button
User Feedback	Speaker, vibration motor, LED
Power	Removable, rechargeable 3.7 V 2300 mAh Lithium Polymer pack, 8.6 Watt hours
Charging	Requires Charging cradle for battery charging

SOFTWARE

Applications	Available on Google Store
RFID Explorer	Built to demonstrate performance, functionality and versatility
RFID Tag Finder	Help locate those hard to find RFID tagged assets, complete with visual and audio indicators
RFID Scan Scan Write	Designed to rapidly commission UHF RFID tags using existing barcode information

ENVIRONMENTAL

Operating Temperature	-10 °C to 50 °C / 14 °F to 122 °F
Charging Temperature	Standard Trigger Handle: 5° C to 40 °C / 41 °F to 104 °F
Storage Temperature	Less than 1 month at -20 °C to 45 °C / -4 °F to 113 °F Less than 6 months at -20 °C to +5 °C / -4 °F to 95 °F
Humidity	5 to 85% non-condensing
Drop Spec	Multiple drops to concrete: 1.2 m / 4 ft ambient, 0.9 m / 3 ft across the operating temperature range according to IEC 68-2-32, Procedure 1.
Tumble	Multiple 0.5 meter tumbles at room temperature according to IEC 68-2-32, Procedure 2.
Electrostatic Discharge (ESD)	± 15k VDC air discharge; ± 8k VDC contact discharge
Particulate and Water Sealing	IP52

REGULATORY

EMI/EMC FCC	47 CFR Part 15B 15.107, 15.109 ICES-003 Issue 6 EN 55032:2015 +AC:2016, EN 55024:2010 +A1:2015, EN 301 489-1 V2.1.1
Electrical Safety	IEC 62368-1:2014 CB EN 62368-1:2014 +AC:2015
RF Exposure	47 CFR Part 2.1091, OET Bulletin 65 RSS-102 EN 50566:2017
RFID/Bluetooth	47 CFR Part 15C 15.247 RSS-247 EN 300 328 V2.1.1; EN 302 208 V3.1.1; EN 301 489-17 V3.1.1; EN 301 489-3 V2.1.1

WARRANTY

Warranty	1-Year Factory Warranty
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PERIPHERALS AND ACCESSORIES

2128P UHF RFID Hand Held Reader

DLR-SLED01-EU or DLR-SLED01-US
Includes removable, rechargeable Lithium-Ion Battery Pack



Active ePop-Loq case for Memor 10 PDA (required)

AH-SLED01 To connect the 2128P UHF RFID hand held reader with the Memor 10 PDA



Charging Cradle (required)

CC-SLED01 Provides dual charging of the UHF RFID hand held reader and a connected Memor 10 PDA. The 2128P Docking Station Kit is supplied separately and includes the docking station, Worldtraveller power supply and a mini USB data cable.

