

# 2128P RFID SLED

## Handheld UHF RFID Reader for the Memor™ 11 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 11 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 Memor 11 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 11 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

## INDUSTRIES - APPLICATIONS

**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

## 2128P RFID SLED

# TECHNICAL SPECIFICATIONS

### RFID PERFORMANCE

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

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

### COMMUNICATION

<b>Host Mobile Computer</b>	Datalogic's Memor 11 PDA
<b>Direct USB Communication</b>	Active ePop-Loq® case for Memor 11 (ePop-Loq® system)
<b>Bluetooth Wireless Technology</b>	Version 4.2
<b>Bluetooth Profiles</b>	SPP Profile, HID Profile, Bluetooth Low Energy
<b>Bluetooth Range</b>	Up to 100 m / 328 ft
<b>Bluetooth Pairing</b>	Simple Secure Pairing, NFC OOB Pairing

### PHYSICAL CHARACTERISTICS

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

### SOFTWARE

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

### ENVIRONMENTAL

<b>Operating Temperature</b>	-10 °C to 50 °C / 14 °F to 122 °F
<b>Charging Temperature</b>	Standard Trigger Handle: 5° C to 40 °C / 41 °F to 104 °F
<b>Storage Temperature</b>	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
<b>Humidity</b>	5 to 85% non-condensing
<b>Drop Spec</b>	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.
<b>Tumble</b>	Multiple 0.5 meter tumbles at room temperature according to IEC 68-2-32, Procedure 2.
<b>Electrostatic Discharge (ESD)</b>	± 15k VDC air discharge; ± 8k VDC contact discharge
<b>Particulate and Water Sealing</b>	IP52

### REGULATORY

<b>EMI/EMC FCC</b>	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
<b>Electrical Safety</b>	IEC 62368-1:2014 CB EN 62368-1:2014 +AC:2015
<b>RF Exposure</b>	47 CFR Part 2.1091, OET Bulletin 65 RSS-102 EN 50566:2017
<b>RFID/Bluetooth</b>	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

<b>Warranty</b>	1-Year Factory Warranty
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## PERIPHERALS AND ACCESSORIES

### 2128P UHF RFID Handheld Reader

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



### Active ePop-Loq case for Memor 11 PDA (required)

AH-SLED01 To connect the 2128P UHF RFID handheld reader with the Memor 11 PDA



### Charging Cradle (required)

CC-SLED01 Provides dual charging of the UHF RFID handheld reader and a connected Memor 11 PDA. The 2128P Docking Station Kit is supplied separately and includes the docking station, Worldtraveller power supply and a mini USB data cable.

