



TECHNOLOGY
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part of **HID**

Mounting smart devices on top of TSL® UHF RFID RAIN Readers

For a convenient single-piece RFID scanning solution, devices such as smartphones and hand-held terminals can be physically mounted on top of TSL UHF RFID RAIN Readers.



What Device Mounting Options Are Available For My TSL RFID Reader?

Click on your reader to below for more information on your mounting options.



[1128](#)

Bluetooth® UHF RFID RAIN Reader



[1166](#)

Bluetooth Rugged UHF RFID RAIN Reader



[2128L](#)

Bluetooth UHF RFID Reader with High Gain Linear Antenna



[3128](#)

Bluetooth UHF RFID Reader



[3138](#) and [2128P](#)

Bluetooth UHF RFID Reader with High Gain Antenna



[3166](#)

Bluetooth Rugged UHF RFID RAIN Reader

The evolution of our device mounting systems

Our device mounting system has evolved into several versions in recent years in order to add new features. The different mounting systems are *not* cross-compatible, so the RFID reader purchased will dictate which mounting system to use.

You can click on the mounting system below for more information.



[Slide-On Mounts](#)



[Pop-Log® Mounts](#)



[ePop-Log Mounts](#)



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1128 and 3128 UHF RFID Readers Device Mounting Options



[1128](#)



[3128](#)



Slide-on Mounts

www.tsl.com/slide-on-mounts

The 1128 and 3128 Readers use a passive slide-on mounting system. Data is passed between the RFID Reader and the mounted device using *Bluetooth®* wireless technology.

Advantages:

- Enables a one-piece RFID scanning solution
- The mounts securely hold the device in place, yet can slide on and off the 1128/3128 reader body in one quick action.



1128-MNT-UNI

The 1128-MNT-UNI is used within all of our slide-on mounts. It can also be purchased separately and fitted to practically any phone case (not included). Either use with the supplied 3M™ Dual Lock™ tape, or drill four holes in the phone case and fasten with M2.5 bolts/rivets (not included).



To see our full range of Slide-on Mounts, visit www.tsl.com/slide-on-mounts.



Pop-Loq Mounts

www.tsl.com/pop-loq-mounts

Pop-Loq mounts can also be attached to the 1128 UHF Reader using the the [1128-PL](#) Pop-Loq Slide-On Adapter (separate purchase).

Click [here](#) for more information on Pop-Loq mounts.



The [1128-PL](#) Pop-Loq Slide-On Adapter





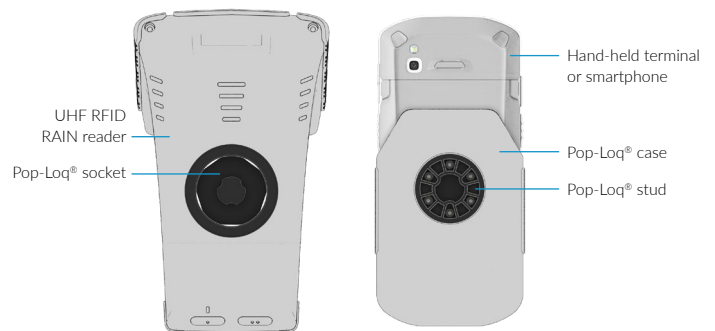
1166 Rugged UHF RFID Reader Device Mounting Options



Pop-Loq® Mounts

www.tsl.com/pop-loq-mounts

Pop-Loq® mounts were introduced with the 1166 UHF RFID RAIN Reader. These passive mounts can be used to physically attach devices such as smartphones or hand-held terminals on top of the 1166 Reader. Data is passed between the RFID Reader and the mounted device using *Bluetooth* wireless technology.



Advantages:

- **A Single-Piece RFID Scanning Solution**

Combine the powerful data acquisition performance of TSL UHF RFID RAIN readers with the flexibility and connectivity of Smartphone Apps, all in a single handheld unit.



- **'Breakaway' On Drop**

The Pop-Loq mount has been designed to separate when dropped, diverting the impact forces and reducing the risk of catastrophic damage.



- **Multiple Build Approaches**

Depending on volume and availability of phone cases, different solutions can be developed for many devices.



Adapted off-the-shelf Dual Layer phone case - suitable for a low volume mounting solution, but relies on availability of suitable phone cases.



3D printed phone case - not limited by supply status, but extra design and development costs will be incurred.



Custom injection moulded Pop-Loq attachment - example shown fits the Datalogic Skorpio DLX3. Extra design, development and tooling costs will be incurred on new designs, so this approach is only cost effective for large volumes.

To see our full range of Pop-Loq Mounts, visit www.tsl.com/pop-loq-mounts.



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2128L, 2128P, 3138 and 3166 Device Mounting Options



2128L



2128P



3138



3166



ePop-Loq® Mounts

www.tsl.com/epop-loq-mounts

ePop-Loq is TSL's latest and most fully featured device mounting system. A direct, wired USB connection is provided between the RFID Reader and mounted device*, instead of the *Bluetooth®* wireless connection. If preferred, Bluetooth can still be used in combination with the mounted device.

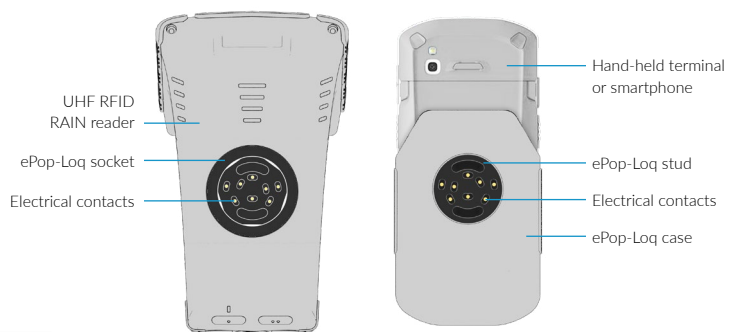
- **Direct Wired Connection**

ePop-Loq mounts provide direct electrical connections to carry USB charge and data* from smartphones or hand-held terminals to the UHF RFID RAIN Reader.



- **Single Point-of-Charge**

ePop-Loq cases allow Dual Charging of *both* the UHF RFID RAIN Reader and the attached Smartphone*/Hand-Held Terminal.



- **Enhanced Operation**

ePop-Loq allows developers to add unique useability features such as waking the terminal when the trigger is pressed, or launching an app the instant an ePop-Loq mount is attached.



*iOS Devices Bluetooth connection only. No USB charge or USB data connections provided for iOS devices.

To see our full range of ePop-Loq Mounts, visit www.tsl.com/epop-loq-mounts.

Using iOS devices with the ePop-Loq mounting system

Please note that iOS devices do not support the USB On-The-Go (OTG) specification. This means that they cannot use the direct USB data and charge connections found within the latest ePop-Loq mounting system.

However, iOS devices can still be wirelessly paired with TSL Readers and benefit from high performance UHF RFID reading using a *Bluetooth* wireless connection. TSL can provide [passive versions of their ePop-Loq mounts](#) to physically attach an iOS device on top of an ePop-Loq reader, but no USB data or charge connections would be provided.





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2128L, 2128P, 3138 and 3166 Device Mounting Options



[2128L](#)



[2128P](#)



[3138](#)



[3166](#)



Passive ePop-Loq Mounts

The ePop-Loq disc can be attached to ANY commercially available ruggedised phone case as a passive mounting option. A normal Bluetooth connection would be used between the TSL reader and host device.

It is preferable to use Dual layer cases (usually consisting of a hard polycarbonate outer layer and a soft, removable TPU inner layer) as they prevent the metal inserts from scratching the smartphone or hand-held terminal.

Advantages:

- Ideal solution for iOS devices (iOS devices do not support USB OTG so cannot utilise the extra functionality of regular, 'active' ePop-Loq Mounts).
- Allows any device to be mounted on top of TSL's latest UHF RFID RAIN readers ([2128L](#), [2128P](#), [3138](#) and [3166](#))



ePop-Loq stud (without electrical contacts)

21XX-MNT-IPOD5-6-7