



## 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*



[2128P](#)  
*Bluetooth UHF RFID Reader with High Gain Antenna*



[3138](#)  
*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-Loq® Mounts](#)



[ePop-Loq Mounts](#)



# 1128 Bluetooth® UHF RFID RAIN Reader Device Mounting Options



## Slide-on Mounts

[www.tsl.com/slide-on-mounts](http://www.tsl.com/slide-on-mounts)

The 1128 RFID Reader uses 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 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 cover (requires four holes to be drilled in the phone cover for the rivets)



1128-MNT-IPOD7G



1128-MNT-IPOD7G with iPod Touch (7th Gen) inserted

To see our full range of Slide-on Mounts, visit [www.tsl.com/slide-on-mounts](http://www.tsl.com/slide-on-mounts).



## Pop-Loq Mounts

[www.tsl.com/pop-loq-mounts](http://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





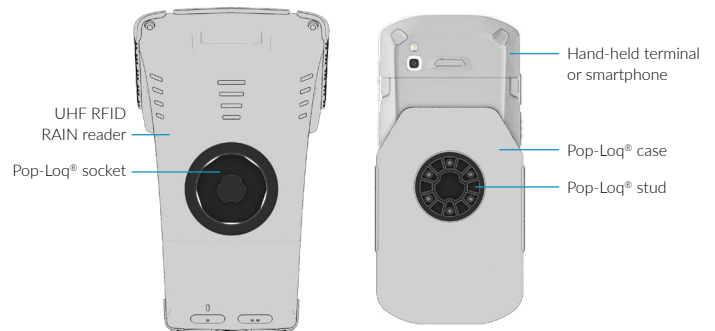
# 1166 Bluetooth Rugged UHF RFID RAIN Reader Device Mounting Options



## Pop-Loq® Mounts

[www.tsl.com/pop-loq-mounts](http://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 covers, different solutions can be developed for many devices.



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



3D printed phone cover - 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 Skorpion 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](http://www.tsl.com/pop-loq-mounts).



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



2128L



2128P



3138



3166



## ePop-Loq® Mounts

[www.tsl.com/epop-loq-mounts](http://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.

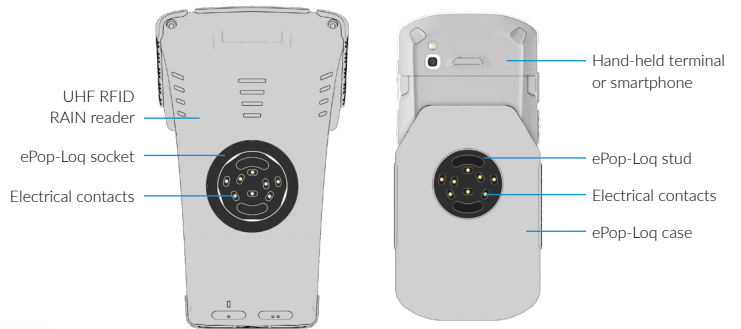
### • Direct Wired Connection

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.



To see our full range of ePop-Loq Mounts, visit [www.tsl.com/epop-loq-mounts](http://www.tsl.com/epop-loq-mounts).

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

## 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.





## 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