TECHNOLOGY SOLUTIONS UK LTD
part of HID

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

1166
Bluetooth Rugged RAIN RFID UHF Reader

2128P
Bluetooth UHF RFID Reader with High Gain Antenna

2128
Bluetooth UHF RFID Reader

3166
Bluetooth Rugged RAIN RFID UHF Reader

2128L
Bluetooth UHF RFID Reader with High Gain Linear Antenna

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

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1128 *Bluetooth*® RAIN RFID UHF Reader
Device Mounting Options

Slide-on Mounts

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.

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

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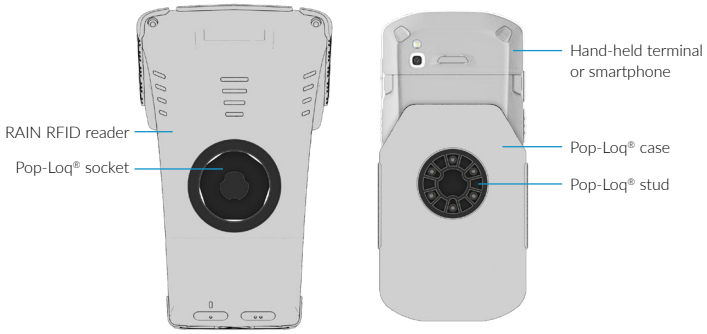
1166 *Bluetooth* Rugged RAIN RFID UHF Reader
Device Mounting Options

Pop-Loq® Mounts

www.tsl.com/pop-loq-mounts

Pop-Loq® mounts were introduced with the 1166 RAIN RFID UHF 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 RAIN RFID 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 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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2128, 2128P, 2128L and 3166
Device Mounting Options


2128


2128P

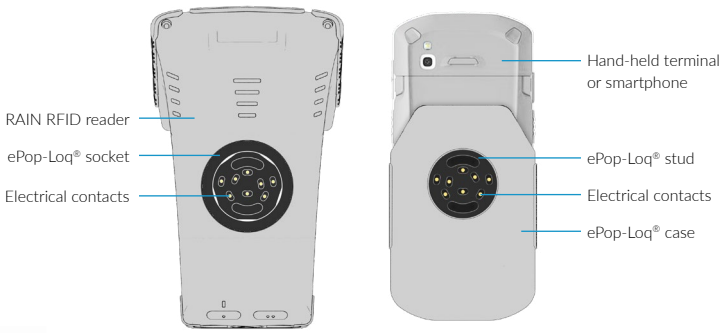

2128L


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*. A *Bluetooth* wireless connection can still be used if preferred.



Advantages:

- **Direct Wired Connection**
  ePop-Loq® provides direct wired connections to carry USB charge and data* from smartphones or hand-held terminals to the RAIN RFID UHF Reader.

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

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

To see our full range of ePop-Loq Mounts, visit 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.

Bluetooth®

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


2128


2128P


2128L


3166

Passive ePop-Loq Mounts

The ePop-Loq disc can be attached to ANY commercially available ruggedised phone case as a passive mounting option. 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 RAIN RFID Readers (2128, 2128P, 2128L and 3166)

21XX-MNT-IPOD5-6-7