

MARK3 TT SERIES

# Fixed RAIN RFID, engineered for the read point.

One integrated reader platform for counters, portals and automated checkpoints, with three Impinj E-Series performance tiers and optional battery backup.

TT7 / TT7-B · TT5 / TT5-B · TT3 / TT3-B

01



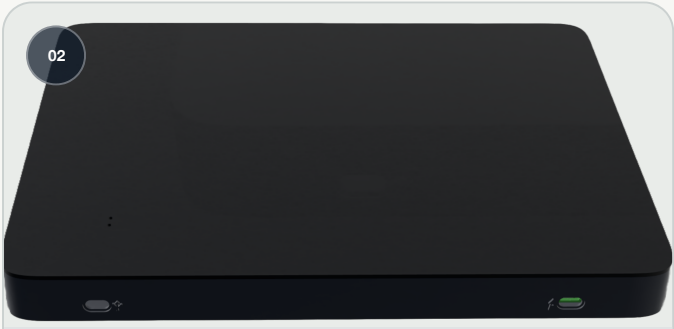
**Integrated RF surface**

The reader and 4 dBi circular-polarised antenna share one compact enclosure.

PHYSICAL DESIGN

## Three views. One deployment-ready form.

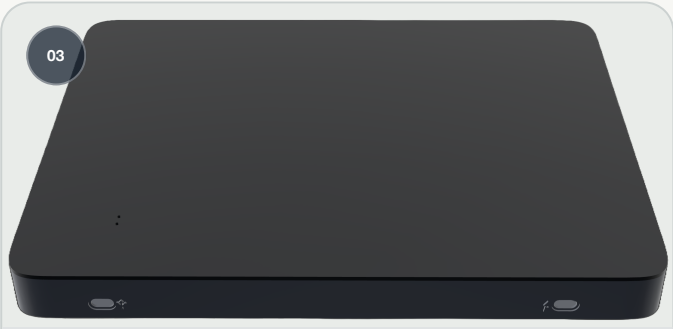
02



**Connected profile**

Front-edge USB access and illuminated status detail keep installation state visible.

03



**Low visual mass**

A restrained table-top profile for counters, workstations and enclosed checkpoints.

**24/7**

Fixed operation

**3 paths**

Bluetooth · Wi-Fi · USB

**Gen2X**

Compatible reader platform

**5,000 mAh**

Optional battery backup

CONFIGURATION GUIDE

One platform. Six configurations.

Select RF headroom first, then add battery backup where continuity through a power interruption matters.

MAXIMUM HEADROOM

TT7 / TT7-B

Impinj E710

BALANCED OPERATION

TT5 / TT5-B

Impinj E510

FOCUSED READ ZONES

TT3 / TT3-B

Impinj E310

| PHYSICAL CHARACTERISTICS     |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| Models                       | Mark3-TT7 / TT7-B / TT5 / TT5-B / TT3 / TT3-B                                       |
| Form factor                  | Fixed · integrated · table-top                                                      |
| Notification                 | LED indicator · buzzer · vibration                                                  |
| Battery backup               | 5,000 mAh on TT7-B, TT5-B and TT3-B                                                 |
| RAIN RFID                    |                                                                                     |
| Reader engine                | Impinj E710 / E510 / E310                                                           |
| Air protocol                 | RAIN RFID · EPC Gen2 · ISO/IEC 18000-63                                             |
| Extended capability          | Impinj Gen2X support with compatible tags, firmware and application workflow        |
| Frequency                    | UHF 860–960 MHz · regional FCC, ETSI, EU, CH-1 and CH-2 configurations              |
| Antenna                      | Integrated 4 dBi circular polarisation                                              |
| CONNECTIVITY AND INTEGRATION |                                                                                     |
| Physical interfaces          | 1 × Micro USB Type-B · 1 × USB Type-C communication · 1 × USB Type-C charging       |
| Wireless                     | Bluetooth 5.0 · Wi-Fi                                                               |
| Integration paths            | Apple Swift Package · Android Gradle SDK · Flutter SDK · Helios Showcase web bridge |
| Typical deployments          | Logistics · retail checkout · smart manufacturing · jewelry inventory               |

Deployment note

Final read performance depends on the tag IC, tagged material, reader configuration, antenna geometry and surrounding RF environment. Validate every production read zone with representative items.