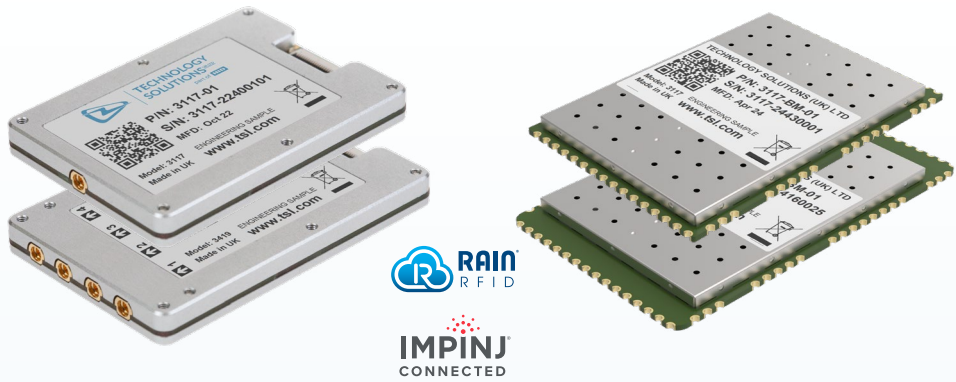


TSL® UHF RFID Reader Modules - Purchasing Options



Initial Purchase - Developer Kit

Customers should initially buy a Developer Kit as a single, one-off purchase. Thereafter, the required number of RFID modules can be purchased separately. Each developer kit is bundled with a choice of one of the Standard Mount modules (see Modules section below), plus all of the accessories required to start developing and testing custom RFID solutions.

Developer Kit contents:



RAIN Development Board including module (Standard Mount)



UHF Antenna (FCC or ETSI) and antenna cable



Power Supply



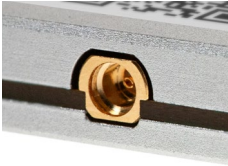
USB-C and USB FTDI Cables

Developer Kit SKUs:

| Bundled Module | ETSI/RED version | FCC version |
|----------------|--------------------------------------|-------------------------------------|
| 3117-01 | 3117-DEV-KIT-ETSI-01 | 3117-DEV-KIT-FCC-01 |
| 3417-01 | 3417-DEV-KIT-ETSI-01 | 3417-DEV-KIT-FCC-01 |
| 3419-01 | 3419-DEV-KIT-ETSI-01 | 3419-DEV-KIT-FCC-01 |

Module Options

Antenna Connection:



MMCX Ports
(1x or 4x)

...Or...



Castellated edges

Impinj Chipsets:



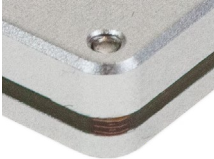
E710
Read rates of ≥ 1200 tags/s
Up to **-88 dBm** receive sensitivity

...Or...



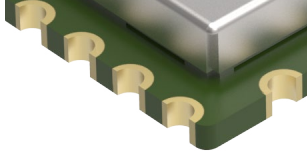
E910
Read rates of ≥ 1200 tags/s
Up to **-92 dBm** receive sensitivity

Mounting System:



M2 Pre-threaded holes
3x M2 on 3117-01
4x M2 on 3417-01 and 3419-01

...Or...



Board Mount
(Module must be soldered direct to PCB surface)

Modules

Standard Mount modules

Board Mount modules (Require Soldering)



| SKU: | 3117-01 | 3417-01 | 3419-01 | 3117-BM-01 | 3417-BM-01 | 3419-BM-01 |
|----------------------|--|--|--|---------------------------------------|---------------------------------------|---------------------------------------|
| Antenna Connection: | 1x MMCX port | 4x MMCX ports | 4x MMCX ports | 1x Solder Pad | 4x Solder Pads | 4x Solder Pads |
| Impinj Chipset: | E710 | E710 | E910 | E710 | E710 | E910 |
| Receive Sensitivity: | up to -88 dBm | up to -88 dBm | up to -92 dBm | up to -88 dBm | up to -88 dBm | up to -92 dBm |
| Mounting System: | Standard (3x M2 pre-threaded holes) | Standard (4x M2 pre-threaded holes) | Standard (4x M2 pre-threaded holes) | Board Mount (solder direct to PCB) | Board Mount (solder direct to PCB) | Board Mount (solder direct to PCB) |
| Dimensions: | 60 x 42 x 6.7 mm | 68 x 42 x 6.7 mm | 68 x 42 x 6.7 mm | 60 x 42 x 4.3 mm | 68 x 42 x 4.3 mm | 68 x 42 x 4.3 mm |