



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



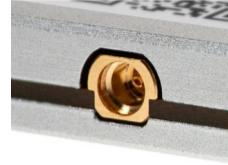
USB-C and USB FTDI Cables

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...



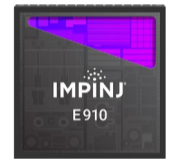
Castellated edges

Impinj Chipsets:



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

...Or...



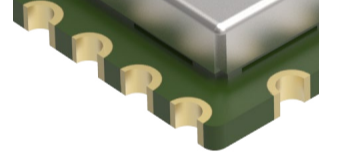
E910
Read rates of ≥ 1200 tags/s
Up to **-92 dBm** receive sensitivity

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)



3117-01



3417-01



3419-01



3117-BM-01



3417-BM-01



3419-BM-01

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 50 Ω Mono-Static Connection	4x 50 Ω Mono-Static Connections	4x 50 Ω Mono-Static Connections
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