

RFID Configurations (Preview)

This article is preview version of [RFID Configuration & Wedge](#).
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APPLIES TO

Point Mobile RFID readers

RFID Configurations

Configuration			General	PM500
Profile			O	X
Beep Volume			O	
Vibrator			O	X
Radio Power			O	
Tx Cycle		Tx ON duration	O	
		Tx OFF duration	O	
Tx Data Format			O	
Data Format			O	
Filter duplicate tags			O	
Filter (1, 2)		Tag Pattern	O	
		Offset	O	
		Select	O	
		Enable filter	O	
Inventory Config	Inventory Param	Session	O	
		Q	O	
		Flag	O	
		Link Profile	O	X
	Operation Mode	Mode	O	
		Timeout	O	
Tag Focus			O	O
Fast ID			O	
Continuous Read			O	
Auto Read		On / Off	O	
		Auto read interval	O	
Save Log			O	

Save tag list to csv	0	
Sleep	0	X

Tx Cycle

- Refer to [Adjust RFID Reading Speed \(Tx Cycle\)](#)

Filter duplicate tags, Filter (1,2)

- Refer to [Filtering RFID tag](#)

Inventory Config

Inventory Param

Session

Set time it takes to read again the tag which is read once. (Time to move back to A after the inventory flag changes from A to B.)

- Options:

Value	Description
0	None
1	Flag resets between 500ms to 5's (default)
2 / 3	Flag resets after 2's

- Default: 1

Q

Set Q value to optimize the performance for each environment.

The RFID reader commands tags in an inventory round to choose the random number from 0 to 2^Q . If multiple tags have the same number, tags may not be read successfully because the RFID reader cannot recognize the tag data coming in simultaneously on the same channel.

Larger Q values decrease the probability of collision, but spend more time to read the tags.
Set low if the number of tags is low, and set high if the number of tags is high.

Point Mobile recommends to set 5 when you read multiple tags.

- Range: 0 ~ 15
- Default: 5

Flag

Set inventory flag of the tag which is going to read.

To improve performance, set **A** when reading multiple tags, and set **A or B** when you want to read one tag fast.

- Options:
 - A
 - B
 - A or B

- Default: A

Tag Focus

Makes the tags, which are read once, quiet to get opportunities to find other tags that not be read. And prevent reading the duplicated tags.

The tags forced to be quiet will wake up when the triggering ends (when the trigger key is up).

- Available only to Monza tag from Impinj
- Available only to specific Inventory Param values as follows. Otherwise, **Tag Focus** is not changeable.
 - Session = 1
 - Flag = A

- Default:
 - Turned on

Save tag list to csv

- Refer to [Save RFID Tag Data as CSV file via RFID Control](#)

RELATED ARTICLES

- [Map Other Functions to the Navigation Bar Buttons](#)
- [PM95 Factory Reset](#)
- [Device Reset Hole](#)
- [DevInfo : How to Get Device Information File](#)
- [Screen Capture Key Combination](#)