

# 123RFID Desktop Configuration and Deployment Demo

Alex Lavie

*Zebra Sales Engineer*



# 123RFID – Setup and optimization tool for fixed RFID reader

## Simplify RFID deployment and reduce customer TCO



- 3-clicks from launch to reading tags
- Wizard and filtering tools simplify optimization
- Easily access built-in help including how-to-videos
- Intuitive GPIO accessory integration
- Simplify RFID application development

The screenshot shows the ZEBRA 123RFID software interface. At the top, it displays '3 Readers Connected' and '245 READS/SEC'. The main area is titled 'Data View' and shows a table of RFID data. Below the table, there is a summary table for the readers.

EPC ID	Count	First Seen	Last Seen	RSSI
3BF000002AA1EFB235664	2445	11:38:06.4423	11:38:06.4423	-64
3BF000002AA1EFB235646	2421	11:38:06.4423	11:38:06.4423	-64
3BF000002AA1EFB235644	2332	11:38:06.4423	11:38:06.4423	-62
3BF000002AA1EFB235632	2001	11:38:06.4423	11:38:06.4423	-60
3BF000002AA1EFB235882	1976	11:38:06.4423	11:38:06.4423	-54
3BF000002AA1EFB298673	1965	11:38:06.4423	11:38:06.4423	-60
3BF000002AA1EFB223111	1722	11:38:06.4423	11:38:06.4423	-63
3BF000002AA1EFB235654	1499	11:38:06.4423	11:38:06.4423	-54
3BF000002AA1EFB235464	108	11:38:06.4423	11:38:06.4423	-55
3BF000002AA1EFB235444	105	11:38:06.4423	11:38:06.4423	-40

Reader	Tags	Reads	Read Rate	A1	A2	A3	A4
1. A Main Reader	8	9,254	231r/s	5,584	3,670		
2. FX9600TR563D	10	2,450	303r/s	2,450	1,120		
3. FX9600 USB Reader	9	2,101	400r/s	1,200			



RFD40



RFD90



FX7500



FX9600



ATR7000



ST5500



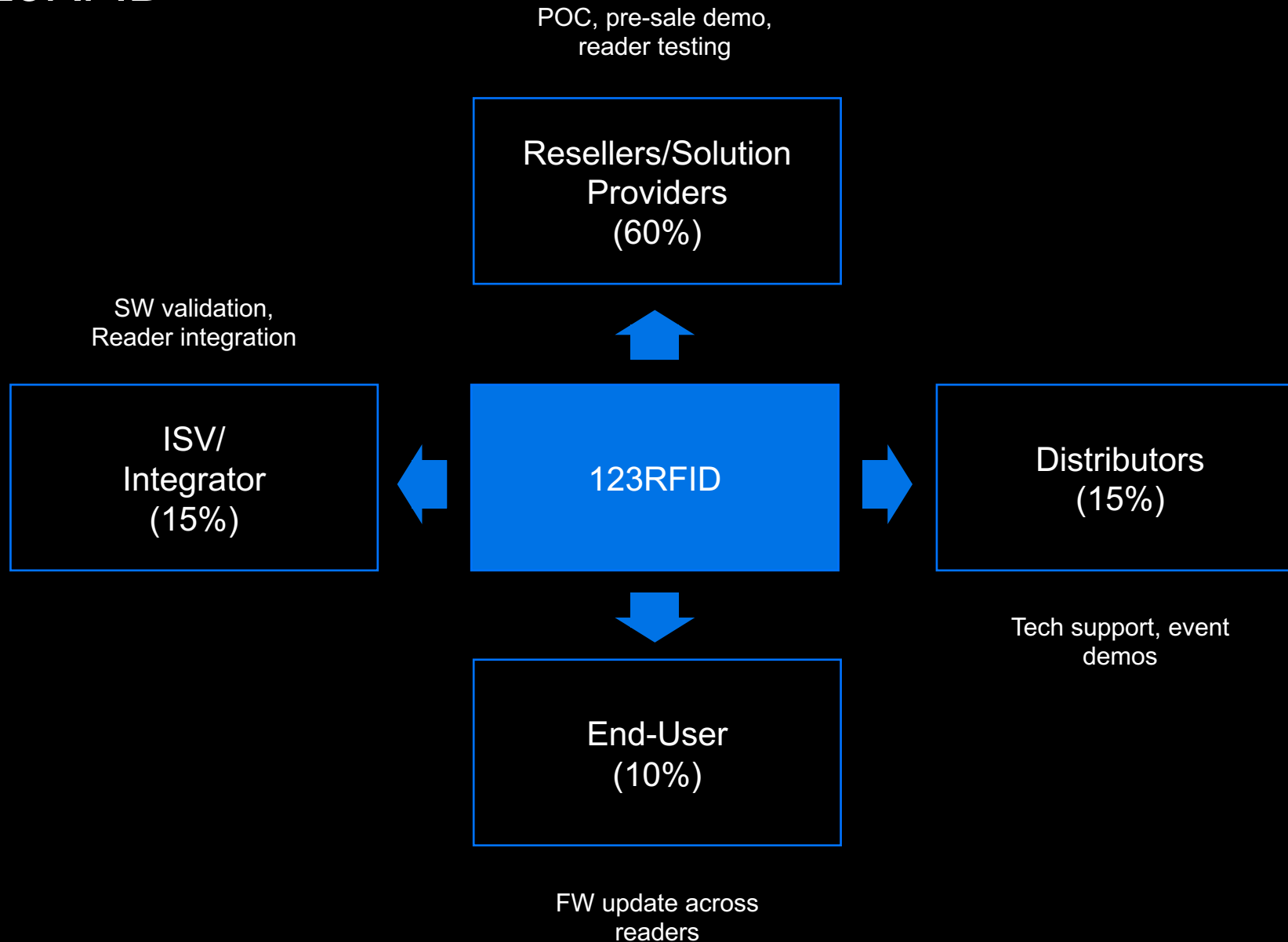
SP5500



Windows PC

Win 7, 10; 11

# Users of 123RFID

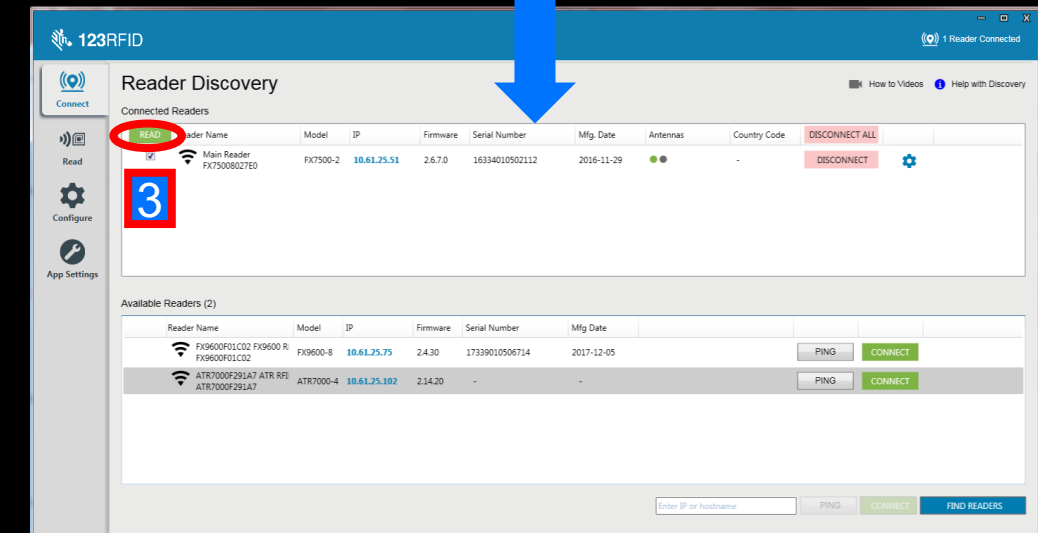
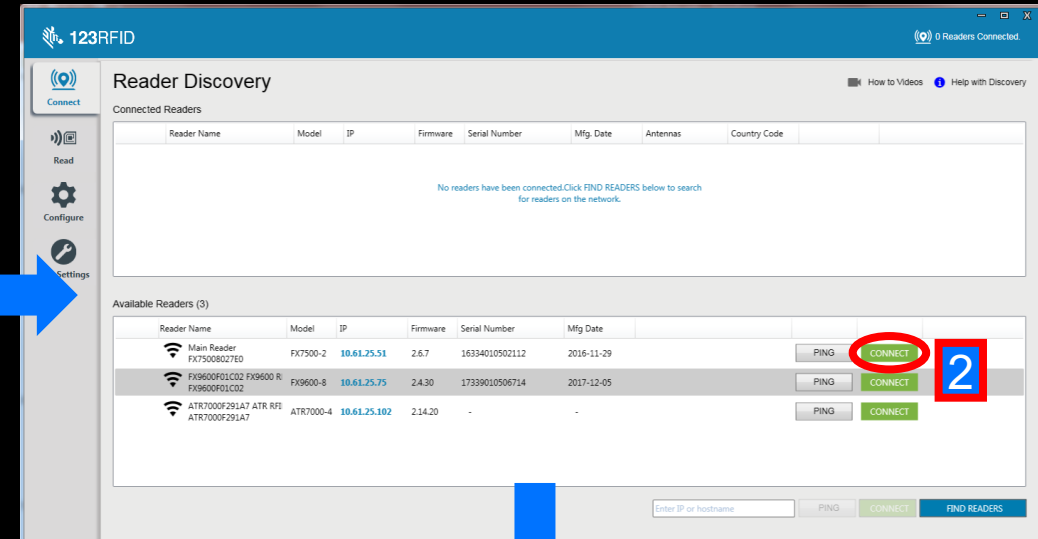
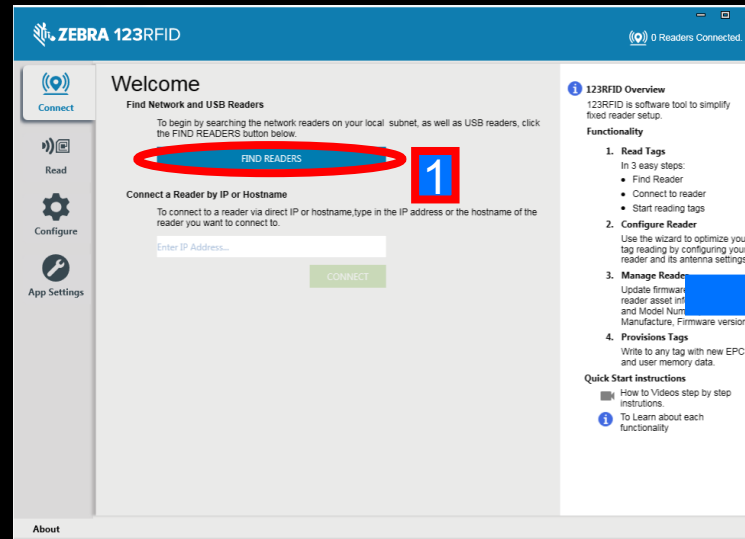




# Easy 3-Step Setup

3 clicks from launch to reading tags

1. Find Readers
2. Connect Reader
3. Start Reading Tags



# Access to web-console

**Reader Discovery**

Connected Readers (1)

READ	Reader Name	Model	IP	Firmware	Serial Number	Mfg. Date	Antennas	Locale	DISCONNECT ALL
<input checked="" type="checkbox"/>	FX9500TR563D	9600	202.101.10.15	2.4.22.0	32645627457236745	2017-10-01	●●●●	US	DISCONNECT

**ZEBRA** **FX9600**

### Reader Administration Console

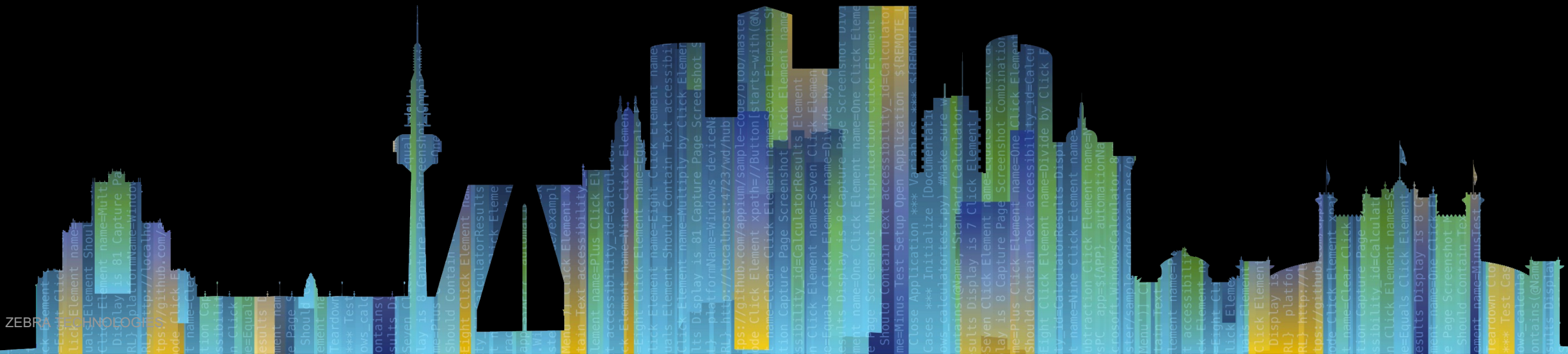
Welcome to the FX Series (8 port) Reader Administration Console.

Reader Software Version :	2.4.30
Reader Host Name :	FX9600F01C02
Reader Network IP Address :	10.61.25.75
Reader Serial Number :	17339010506714
USB Port Status :	No Device Found
Power Source Type :	DC Supply
Power Negotiation Status :	Disabled

**Help**

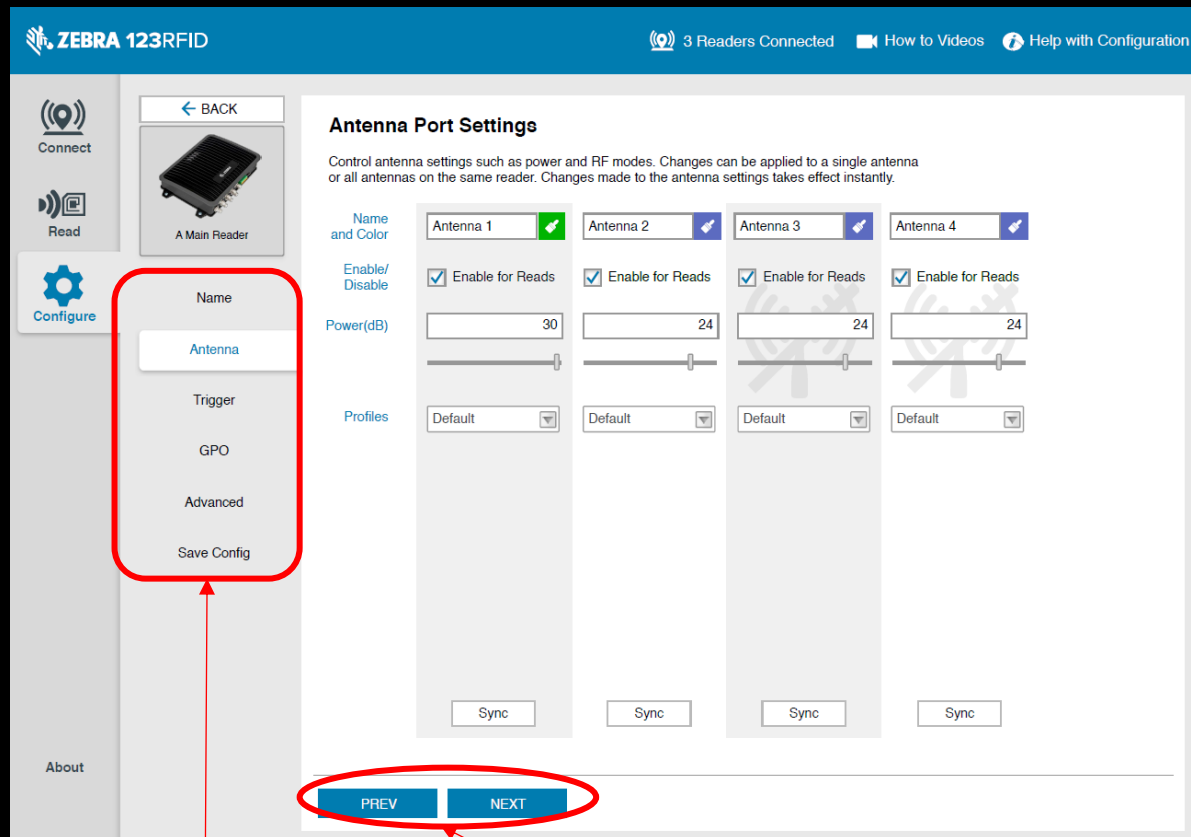
- Check Status
- Check Statistics
- Optional Operation Statistics
- Optional Custom Operation Statistics
- Events Statistics
- Other Custom Operation Statistics
- General Reader Configuration
- Read Event Configuration
- Advanced Antenna Configuration
- Region Configuration
- Certificates
- Inventory and Read Tags
- Communication Settings
- LLRP
- SNMP
- Wireless Services
- Date and Time Settings
- ESB Settings
- Change Password
- GPIO Settings
- User Application Deployment
- Manage Profiles on the reader
- Firmware Version Information
- Firmware Update
- Command/Revert
- System Log
- System Log Configuration
- Diagnostics
- Shut Down
- Error Messages
- Third Party Software

# Wizard and filtering tools simplifies reader optimization



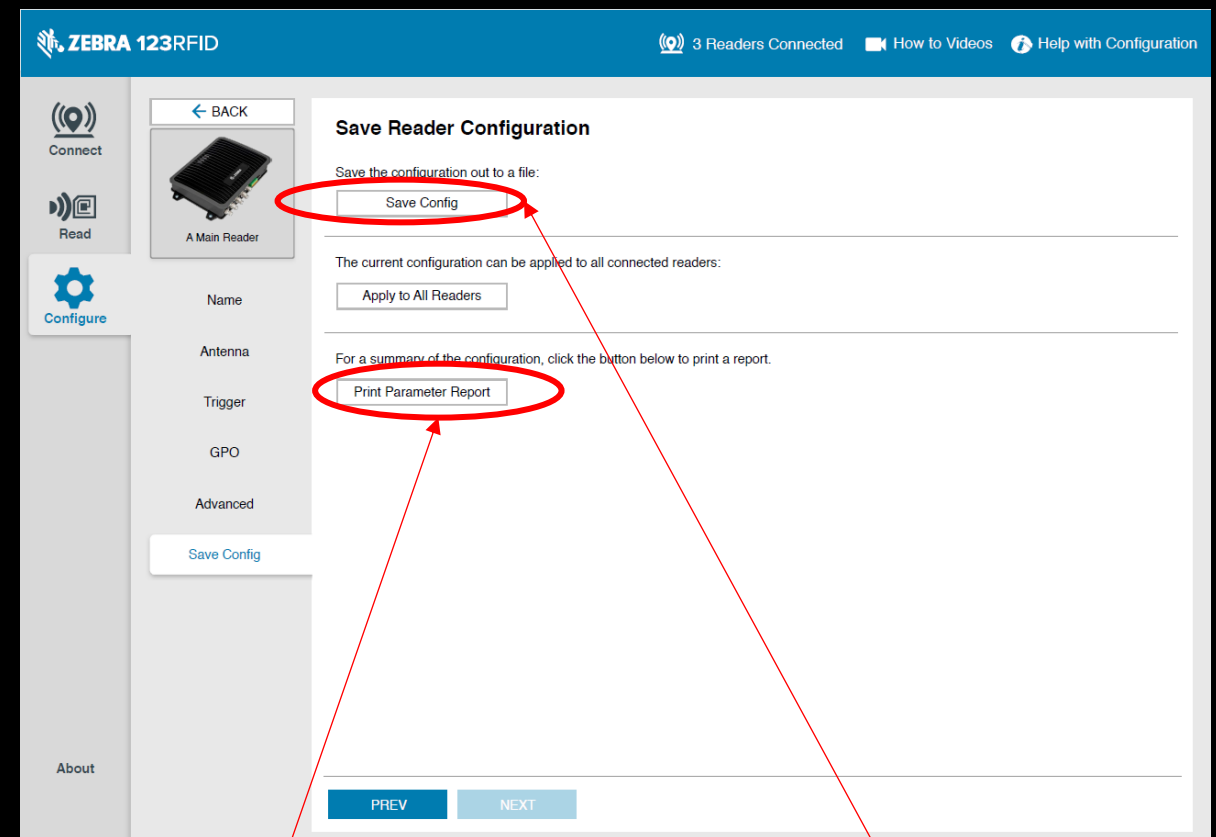
# 3 Step Optimization – Step 1: Configure Reader

A wizard simplifies reader configuration



**Config Wizard:**  
Click for quick  
access of settings

Simple Navigation



Print Settings Report

Save settings to file



# 3 Step Optimization – Step 2: Read Tags

Quick turnaround time in optimization

**ZEBRA 123RFID** 3 Readers Connected How to Videos Help with Reading

**Data View** 10 TAGS 20,521 READS 245 READS/SEC

Running Time: 00:03:34:50

**Filters**

EPC ID	Count	First Seen	Last Seen	RSSI
3BF0000002AA1EFB235664	2445	11:38:06:4423	11:38:06:4423	-64
3BF0000002AA1EFB235646	2421	11:38:06:4423	11:38:06:4423	-64
3BF0000002AA1EFB235644	2332	11:38:06:4423	11:38:06:4423	-62
3BF0000002AA1EFB235632	2001	11:38:06:4423	11:38:06:4423	-60
3BF0000002AA1EFB235882	1976	11:38:06:4423	11:38:06:4423	-54
3BF0000002AA1EFB298673	1965	11:38:06:4423	11:38:06:4423	-60
3BF0000002AA1EFB223111	1722	11:38:06:4423	11:38:06:4423	-63
3BF0000002AA1EFB235654	1499	11:38:06:4423	11:38:06:4423	-54
3BF0000002AA1EFB235464	108	11:38:06:4423	11:38:06:4423	-55
3BF0000002AA1EFB235444	105	11:38:06:4423	11:38:06:4423	-40

**Reader Summary Table:**

Reader	Tags	Reads	Read Rate	A1	A2	A3	A4
1. A Main Reader	8	9,254	231r/s	5,584	3,670		
2. FX9600TR563D	10	2,450	303r/s	2,450	1,120		
3. FX9600 USB Reader	9	2,101	400r/s	1,200			

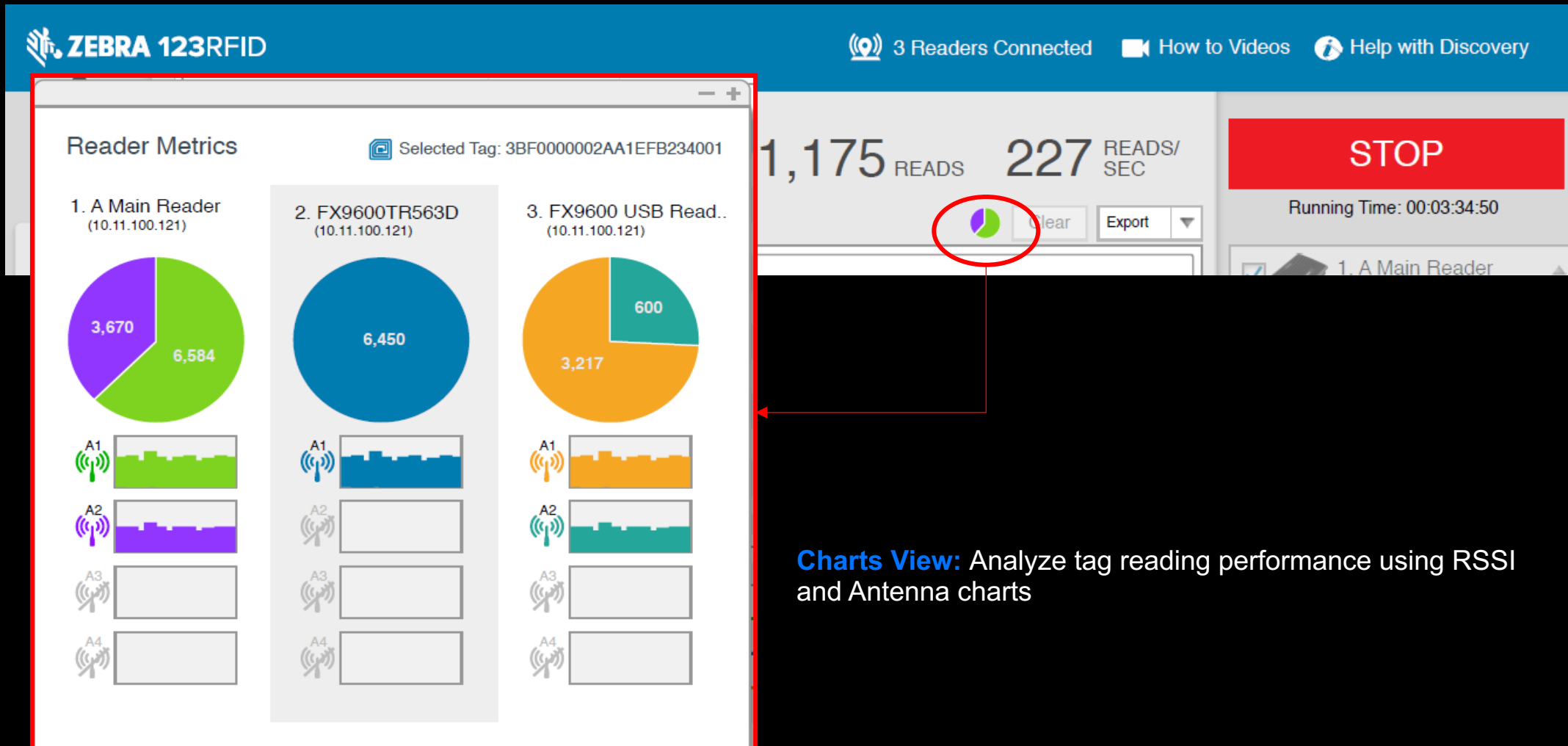
One-click Start/Stop

Configurable column options

Quick Access Toolbar: Easy access reader and antenna controls

# 3 Step Optimization – Step 2: Read Tags (Continued..)

Validate application performance against a known tool, 123RFID



**Charts View:** Analyze tag reading performance using RSSI and Antenna charts

# 3 Step Optimization – Step 3: Filter Tags (by EPC, RSSI)

Focus on data that only you are interested in

ZEBRA 123RFID

3 Readers Connected How to Videos Help with Reading

Data View 5 TAGS 20,521 READS 227 READS/SEC STOP

Running Time: 00:03:34:50

Filters

Apply Asset Tag List Select a file Data From All Readers

EPC ID

3BF00000

3BF00000

3BF00000

3BF00000

3BF00000

3BF00000

1. A Main Reader (10.11.100.121)

2. FX9600TR563D (10.11.100.121)

3. FX9600 USB Read... (10.11.100.121)

Tags Not Seen Since 5s

RESET CANCEL APPLY

**Filter Tools:**  
Filter data by

- EPC
- RSSI

Data View 1 TAGS 11,175 READS 227 READS/SEC

Filters (2)

Apply Asset Tag List Select a file Data From All Readers

EPC includes "50005" RSSI From -100 to -50

EPC ID	Count	First Seen	Last Seen	RSSI
3BF0000002AA1EF500005	2445	11:38:06:4423	11:38:06:4423	-64

Filters applied to data

# 3 Step Optimization – Step 3: Filter Tags (by expected tag list)

Focus on data that only you are interested in

Data View

10 TAGS 20,521 READS 245 READS/SEC

Apply Asset Tag List Select a file Data From All Readers

RECENTLY LOADED ATL FILES

EPC ID	Count	First Seen	Last Seen	RSSI
3BF0000002AA1EFB235664	2445	11:38:06:4423	11:38:06:4423	-64
3BF0000002AA1EFB235646	2421	11:38:06:4423	11:38:06:4423	-64
3BF0000002AA1EFB235644	2332	11:38:06:4423	11:38:06:4423	-62
3BF0000002AA1EFB235632	2001	11:38:06:4423	11:38:06:4423	-60
3BF0000002AA1EFB235882	1976	11:38:06:4423	11:38:06:4423	-54
3BF0000002AA1EFB298673	1965	11:38:06:4423	11:38:06:4423	-60
3BF0000002AA1EFB223111	1722	11:38:06:4423	11:38:06:4423	-63
3BF0000002AA1EFB235654	1499	11:38:06:4423	11:38:06:4423	-54
3BF0000002AA1EFB235464	108	11:38:06:4423	11:38:06:4423	-55
3BF0000002AA1EFB235444	105	11:38:06:4423	11:38:06:4423	-40

**Filter Tools:**  
Filter data by Asset Tag List (expected tag list)

Reader Inventory

5/8 TAGS 13,805 READS 285 READS/SEC

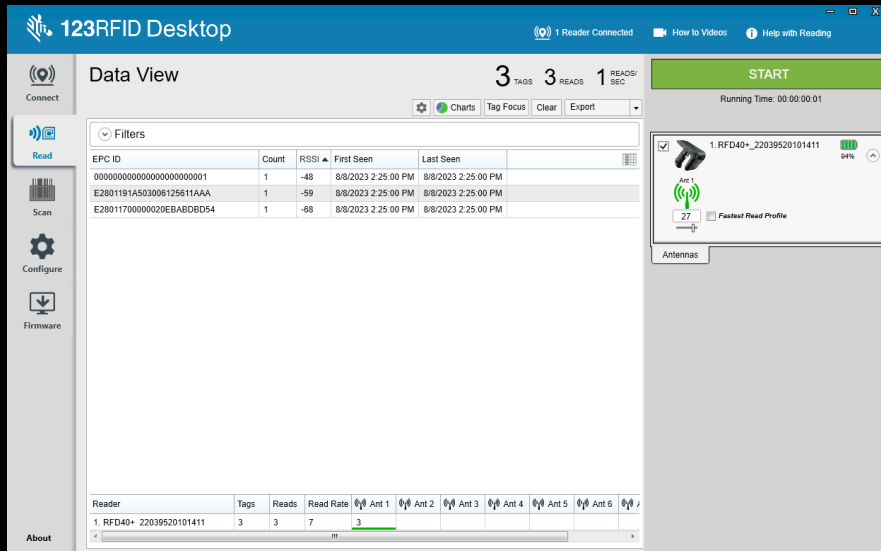
Apply Asset Tag List Select a file Data From All Readers

Jackets\_File\_For\_Walmart\_I...

Friendly Name	EPC ID	Count	First Seen	Last Seen	RSSI
Jacket 1	3BF0000002AA1EFB235664	2445	11:38:06:4423	11:38:06:4423	-64
Jacket 2	3BF0000002AA1EFB235646	2421	11:38:06:4423	11:38:06:4423	-64
Jacket 3	3BF0000002AA1EFB235644	2332	11:38:06:4423	11:38:06:4423	-62
Jacket 4	3BF0000002AA1EFB235632	2001	11:38:06:4423	11:38:06:4423	-60
Jacket 5	3BF0000002AA1EFB235882	1976	11:38:06:4423	11:38:06:4423	-54
Jacket 6	3BF0000002AA1EFB298673	0			
Jacket 7	3BF0000002AA1EFB223111	0			
Jacket 8	3BF0000002AA1EFB235654	0			

Filters applied to data

# New Mobile Readers Support



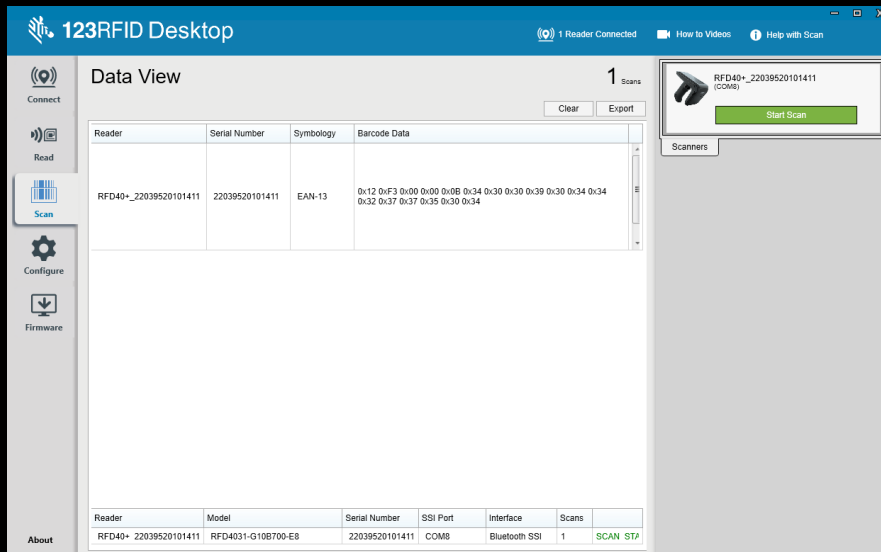
**123RFID Desktop** | 1 Reader Connected | How to Videos | Help with Reading

**Data View** | 3 TAGS | 3 READS | 1 READS/SEC | START | Running Time: 00:00:00:01

Filters

EPC ID	Count	RSSI	First Seen	Last Seen
00000000000000000000000000000001	1	-48	8/8/2023 2:25:00 PM	8/8/2023 2:25:00 PM
E2801191A503006125611AAA	1	-59	8/8/2023 2:25:00 PM	8/8/2023 2:25:00 PM
E28011700000020EABDBD54	1	-68	8/8/2023 2:25:00 PM	8/8/2023 2:25:00 PM

Reader	Tags	Reads	Read Rate	Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Ant 6
1. RFD40+ 22039520101411	3	3	7	3					

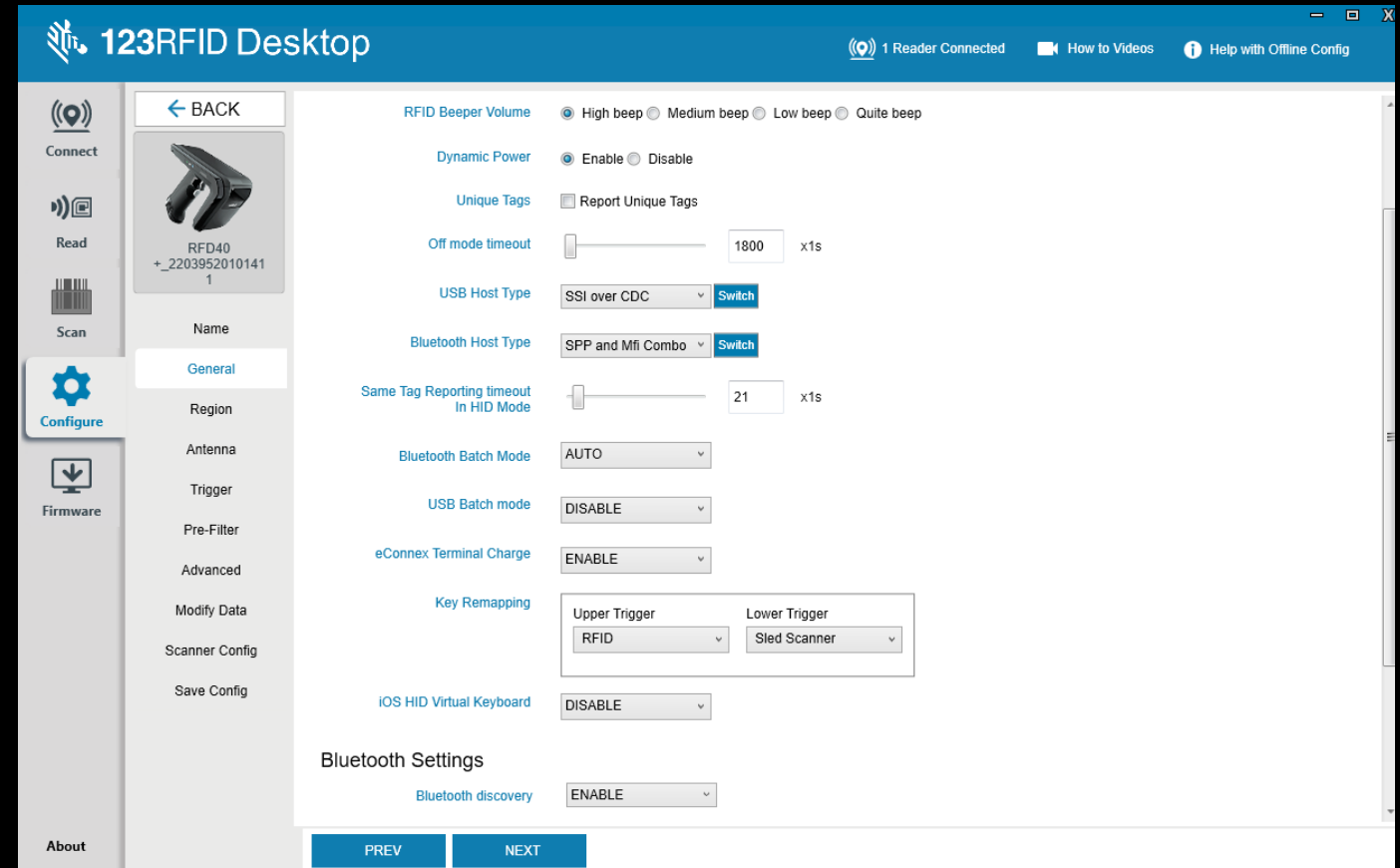


**123RFID Desktop** | 1 Reader Connected | How to Videos | Help with Scan

**Data View** | 1 Scans | Clear | Export

Reader	Serial Number	Symbology	Barcode Data
RFD40+_22039520101411	22039520101411	EAN-13	0x12 0xF3 0x00 0x00 0x08 0x34 0x30 0x30 0x30 0x30 0x34 0x34 0x32 0x37 0x37 0x35 0x30 0x34

Reader	Model	Serial Number	SSI Port	Interface	Scans
RFD40+ 22039520101411	RFD4031-G10B700-E8	22039520101411	COM8	Bluetooth SSI	1 SCAN STP



**123RFID Desktop** | 1 Reader Connected | How to Videos | Help with Offline Config

← BACK

RFD40+\_22039520101411\_1

Name

General

Region

Antenna

Trigger

Pre-Filter

Advanced

Modify Data

Scanner Config

Save Config

RFID Beeper Volume:  High beep  Medium beep  Low beep  Quite beep

Dynamic Power:  Enable  Disable

Unique Tags:  Report Unique Tags

Off mode timeout:  x1s

USB Host Type: SSI over CDC

Bluetooth Host Type: SPP and Mfi Combo

Same Tag Reporting timeout In HID Mode:  x1s

Bluetooth Batch Mode:

USB Batch mode:

eConnex Terminal Charge:

Key Remapping: Upper Trigger:  Lower Trigger:

IOS HID Virtual Keyboard:

Bluetooth Settings: Bluetooth discovery:

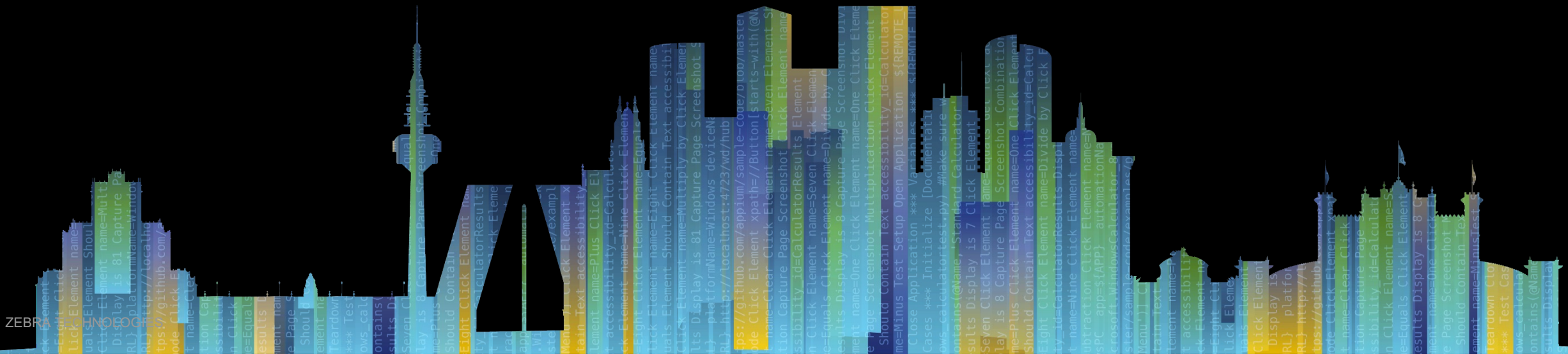
# Export Reports – Test Runs

Reader config for the Test

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Tag Log History File created at 2023-08-07 16:40:15.538												
3	<b>Reader Information</b>												
4	FX7500FCDA1B (FX7500FCDA1B) Information:												
5	Reader Connection Status: Connect ReaderModel: 75004 FirmwareVersion: 3.24.43.0 Communication Standard: ETSI_302_208 Reader Serial Number: 84:24:8D:FC:DA:1B Number Of Antennas: 4												
6	Enabled Antennas: 1-4												
7	Trigger Settings:												
8	Start Trigger Settings: StartTriggerType: IMMEDIATE												
9	Stop Trigger Settings: StopTriggerType: IMMEDIATE												
10	Report Trigger Settings: Tag Report Trigger: 1 Periodic Report Trigger: 0												
11	Autonomous Mode Settings: Autonomous Mode Enabled: False												
12	Antenna Singulation Settings												
13	AntennaID: 1 Session: SESSION_S0 Tag Population: 100 TagTransitTime: 0 PerformStateAwareSingulation: False												
14	Antenna RFMode Settings												
15	AntennaID: 1 Mode Identifier: 21 FLM: PR_ASK PIE: 0 Divide Ratio: DR_64_3 Tari: 0 (Min Tari: 0; Max Tari: 0; Step Tari: 0) Backscatter Modulation: MV_2 Data Rate (bps): 0												
16	Antenna Power Settings												
17	AntennaID: 1 AntennaPowerValue: 29												
18	Antenna Stop Trigger Settings												
19	AntennaID: 1 DwellTimeType: ANTENNA_STOP_TRIGGER_TYPE_DURATION_MILLISECS DwellTimeValue: 1000												
21	<b>Reader Summary</b>												
22	Total Tag Reads: 1629 Total Unique Tag Reads: 22												
23	index	reader	unique re	total read	reads per	Ant1	Ant2	Ant3	Ant4	Ant5	Ant6	Ant7	Ant8
24	FX7500FCDA1B	FX7500FCDA1B	22	1629	80	1629	0	0	0	0	0	0	0
26	<b>Tag History</b>												
27	reader	epcid	count	rss	phase	first seen	last seen						
28	FX7500FCDA1B	E28011700000021854D3538D	1	-69	0	2023-08-07 16:39:25.302	2023-08-07 16:39:25.302						
29	FX7500FCDA1B	E28011700000021854D3538D	1	-67	0	2023-08-07 16:39:25.308	2023-08-07 16:39:25.308						
30	FX7500FCDA1B	E28011700000021854D3538D	1	-67	0	2023-08-07 16:39:25.322	2023-08-07 16:39:25.322						
31	FX7500FCDA1B	E28011700000021854D3538D	1	-66	0	2023-08-07 16:39:25.322	2023-08-07 16:39:25.322						
32	FX7500FCDA1B	E28011700000021854D3538D	1	-67	0	2023-08-07 16:39:25.322	2023-08-07 16:39:25.322						
33	FX7500FCDA1B	E28011700000021854D3538D	1	-66	0	2023-08-07 16:39:25.322	2023-08-07 16:39:25.322						
34	FX7500FCDA1B	E28011700000021854D3538D	1	-66	0	2023-08-07 16:39:25.323	2023-08-07 16:39:25.323						
35	FX7500FCDA1B	E28011700000021854D3538D	1	-66	0	2023-08-07 16:39:25.323	2023-08-07 16:39:25.323						
36	FX7500FCDA1B	E28011700000021854D3538D	1	-66	0	2023-08-07 16:39:25.323	2023-08-07 16:39:25.323						
37	FX7500FCDA1B	E28011700000021854D3538D	1	-66	0	2023-08-07 16:39:25.323	2023-08-07 16:39:25.323						



Easily access built-in help including how-to-videos



# Built-in Help

## Simplified onboarding of new users

**ZEBRA 123RFID** 0 Readers Connected How to Videos Help with Discovery

**Help with Discovery**

**Discovery Overview**  
This page discovers and connects networked and USB-cabled fixed readers. It displays reader asset information (Model No, Firmware Version, Serial No).

**What You Can Do**

**Step 1 - Find readers**  
Click **FIND READERS**

- Networked reader icon:
- USB-cabled reader icon:

Readers will list in "Available Readers".

**Step 2 - Connect to readers**  
Click **CONNECT**  
Readers will list in "Connected Readers".

**Step 3 - What do you want to do**  
Read Tag - Click **CONNECT**  
Configure Reader - Click   
Disconnect Reader - Click **DISCONNECT**  
Ping Reader - Click **PING**

**Helpful Hints**

**1-minute overview** - Click How to Videos  
**Connect via IP address/hostname** - Type reader's IP address or hostname into  
  
Note - For hostname, see the reader's label. For IP address, visit the reader's console webpage.  
**Can't find reader** - Only readers on your subnet can be found. If reader is on another subnet, see Hint above.

Don't show this on startup

**COPY TO CLIPBOARD** **CLOSE**

Click to display onscreen help

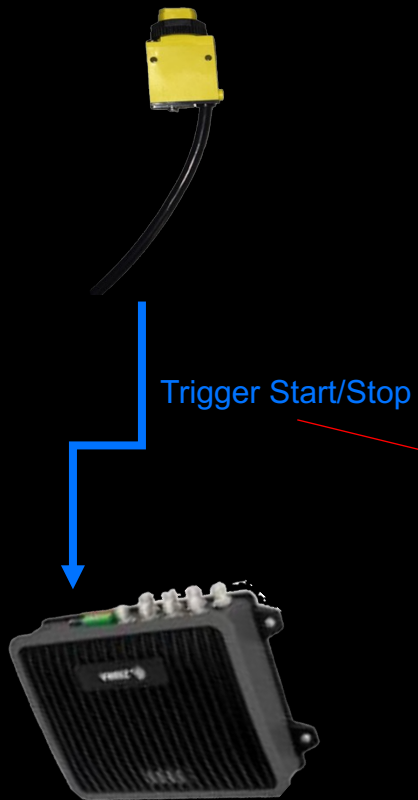
Link to YouTube site for training videos





# Out-of-Box GPIO Demos: GPI triggered Start/Stop

4-steps to demonstrate Start and Stop of inventory triggered by GPI accessory



← BACK

A Main Reader

Name

Antenna

**1** Trigger

GPO

### Trigger Settings

Define what triggers a start and stop of a read session.  
Start triggers include - pressing of Start button, change of general purpose input (GPI) state from Lo to Hi or Hi to Lo.  
Stop triggers include - pressing Stop button, change of general purpose input (GPO) state from Lo to Hi or Hi to Lo.

**Start Trigger**

- When START is pressed
- START is pressed and GPI 1 goes LO

**Stop Reading**

- When STOP is pressed
- 500 tags
- rounds
- ms
- GPI 1 goes LO

**2** Select option to start/stop via GPI trigger

**3** Select GPI port to listen for trigger

**4** Select GPI's rising/falling edge that will result in start/stop

# Out-of-Box GPIO Demos: GPO triggers

## 5-steps to demonstrate GPO accessory control by inventory events



Trigger GPO accessory



Light stack

- 2 Select a condition to trigger GPO
- 3 Select GPO port to trigger
- 4 Select to turn accessory On/Off on trigger
- 5 Add to rules

**GPO Settings**

Setup events for output triggers on the reader.

**Output Events**

When  occurs, trigger GPO  to an  state

When a found tag matches  trigger GPO  to an  state

Device: FX9600F01C02

Name

Antenna

Trigger

**GPO** **1**

Advanced

Save Config

# Print Parameter Report

Simplified application development and integration



**ZEBRA 123RFID** 3 Readers Connected How to Videos Help with Configuration

Connect  
Read  
Configure

← BACK

### Save Reader Configuration

Save the configuration out to a file:

The current configuration can be applied to all connected readers:

For a summary of the configuration, click the button below to print a report.

Name  
Antenna  
Trigger  
GPO  
Advanced

PREV NEXT

### Print Parameters Report

**Reader Parameters Report - FX75008036DF FX7500**

**Reader Summary**

Reader Name:	FX75008036DF FX7500
Host Name:	FX75008036DF
Model:	FX7500-2
Ip Address:	10.17.129.108
Firmware version:	2.3.23.0
Serial Number:	17032010505660
Manufacture Date:	2017-02-01

**Reader Parameters**

Antenna1 Antenna Singulation:	SESSION_S0
Antenna1 State Aware:	False
Antenna1 Inventory State:	INVENTORY_STATE_A
Antenna1 SL FLAG	SL_FLAG_DEASSERTED
Antenna1 Tag Population Estimate:	100
Antenna1 Color Id:	4278255360
Antenna1 Enabled for Reads:	True
Antenna1 Power (db):	192
Antenna1 RF Mode:	0
Antenna1 Antenna Stop Trigger Active:	False
Antenna1 Stop Trigger Type:	ANTENNA_STOP_TRIGGER_TYPE_DURATION_MILLISECS
Antenna1 Antenna Stop Condition Value:	1000
Antenna2 Antenna Singulation:	SESSION_S0
Antenna2 State Aware:	False
Antenna2 Inventory State:	INVENTORY_STATE_A

Cancel Save Print

# Write Tags

## Provision tags using 123RFID

**ZEBRA 123RFID**

Data View

Showing Data From All Readers

EPC ID	Count	First Seen	Last Seen	RSSI
00000000000000000000A00296	3	10/1/2018 8:08:34 PM	10/1/2018 8:08:34 PM	-67
3BF0000002AA1EFB956CE7E	8	10/1/2018 8:08:33 PM	10/1/2018 8:08:34 PM	-65
3BF0000002AA1EFB956CE7F	14	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-56
3BF0000002AA1EFB956CE80	25	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-52
3BF0000002AA1EFB956CE81	2	10/1/2018 8:08:34 PM	10/1/2018 8:08:34 PM	-64
3BF0000002AA1EFB956CE82	8	10/1/2018 8:08:33 PM	10/1/2018 8:08:34 PM	-65
3BF0000002AA1EFB956CE83	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-56
3BF0000002AA1EFB956CE84	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE85	12	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-57
3BF0000002AA1EFB956CE86	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-57
3BF0000002AA1EFB956CE87	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-54
3BF0000002AA1EFB956CE88	17	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE89	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE8A	17	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-55
3BF0000002AA1EFB956CE8B	20	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53

Select a tag row and left click on tag chip icon

Data View

30 TAGS 391 REA

Showing Data From All Readers

EPC ID	Count	First Seen	Last Seen	RSSI
00000000000000000000A00296	3	10/1/2018 8:08:34 PM	10/1/2018 8:08:34 PM	-67
3BF0000002AA1EFB956CE7E	8	10/1/2018 8:08:33 PM	10/1/2018 8:08:34 PM	-65
3BF0000002AA1EFB956CE7F	14	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-56
3BF0000002AA1EFB956CE80	25	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-52
3BF0000002AA1EFB956CE81	2	10/1/2018 8:08:34 PM	10/1/2018 8:08:34 PM	-64
3BF0000002AA1EFB956CE82	8	10/1/2018 8:08:33 PM	10/1/2018 8:08:34 PM	-65
3BF0000002AA1EFB956CE83	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-56
3BF0000002AA1EFB956CE84	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE85	12	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-57
3BF0000002AA1EFB956CE86	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-57
3BF0000002AA1EFB956CE87	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-54
3BF0000002AA1EFB956CE88	17	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE89	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE8A	17	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-55
3BF0000002AA1EFB956CE8B	20	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53

Edit Tag Details

EPC: 558C 3000 3BF0000002AA1EFB956CE80

CRC PC 96 bits Max EPC Bits: 96

READ WRITE

Current EPC ID

Data View

30 TAGS 391 REA

Showing Data From All Readers

EPC ID	Count	First Seen	Last Seen	RSSI
00000000000000000000A00296	3	10/1/2018 8:08:34 PM	10/1/2018 8:08:34 PM	-67
3BF0000002AA1EFB956CE7E	8	10/1/2018 8:08:33 PM	10/1/2018 8:08:34 PM	-65
3BF0000002AA1EFB956CE7F	14	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-56
3BF0000002AA1EFB956CE80	25	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-52
3BF0000002AA1EFB956CE81	2	10/1/2018 8:08:34 PM	10/1/2018 8:08:34 PM	-64
3BF0000002AA1EFB956CE82	8	10/1/2018 8:08:33 PM	10/1/2018 8:08:34 PM	-65
3BF0000002AA1EFB956CE83	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-56
3BF0000002AA1EFB956CE84	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE85	12	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-57
3BF0000002AA1EFB956CE86	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-57
3BF0000002AA1EFB956CE87	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-54
3BF0000002AA1EFB956CE88	17	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE89	15	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53
3BF0000002AA1EFB956CE8A	17	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-55
3BF0000002AA1EFB956CE8B	20	10/1/2018 8:08:33 PM	10/1/2018 8:08:35 PM	-53

Edit Tag Details

EPC: 558C 3000 3BF0000002AA1EFB956CE81

CRC PC 96 bits Max EPC Bits: 96

READ WRITE

Type New EPC ID. Click Write

# 123RFID – Setup and optimization tool for fixed RFID reader

## Simplify RFID deployment and reduce customer TCO



- 3-clicks from launch to reading tags
- Wizard and filtering tools simplify optimization
- Easily access built-in help including how-to-videos
- Intuitive GPIO accessory integration
- Simplify RFID application development

The screenshot shows the ZEBRA 123RFID software interface. At the top, it displays '3 Readers Connected', 'How to Videos', and 'Help with Reading'. The main view is 'Data View' showing 10 TAGS, 20,521 READS, and 245 READS/SEC. A 'START' button is visible on the right. The interface includes a 'Filters' section, a table of EPC IDs with columns for Count, First Seen, Last Seen, and RSSI, and a summary table at the bottom.

EPC ID	Count	First Seen	Last Seen	RSSI
3BF000002AA1EFB235664	2445	11:38:06.4423	11:38:06.4423	-64
3BF000002AA1EFB235646	2421	11:38:06.4423	11:38:06.4423	-64
3BF000002AA1EFB235644	2332	11:38:06.4423	11:38:06.4423	-62
3BF000002AA1EFB235632	2001	11:38:06.4423	11:38:06.4423	-60
3BF000002AA1EFB235882	1976	11:38:06.4423	11:38:06.4423	-54
3BF000002AA1EFB298673	1965	11:38:06.4423	11:38:06.4423	-60
3BF000002AA1EFB223111	1722	11:38:06.4423	11:38:06.4423	-63
3BF000002AA1EFB235654	1499	11:38:06.4423	11:38:06.4423	-54
3BF000002AA1EFB235464	108	11:38:06.4423	11:38:06.4423	-55
3BF000002AA1EFB235444	105	11:38:06.4423	11:38:06.4423	-40

Reader	Tags	Reads	Read Rate	A1	A2	A3	A4
1. A Main Reader	8	9,254	231r/s	5,584	3,670		
2. FX9600TR563D	10	2,450	303r/s	2,450	1,120		
3. FX9600 USB Reader	9	2,101	400r/s	1,200			



RFD40



RFD90



FX7500



FX9600



ATR7000



ST5500

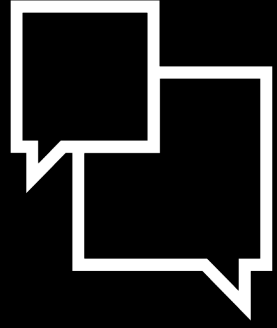


SP5500



Windows PC

Win 7, 10; 11



# Questions

# Zebra DevCon 2023



# Thank You

ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corp., registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners.  
©2023 Zebra Technologies Corp. and/or its affiliates. All rights reserved.

