

Zebra RFID Reader MQTT Setup Guide

1. After logging into the Zebra reader, click on Communication->Zebra IoT Connector.
2. Click Add Endpoint.
3. Choose MQTT as the Endpoint Type.
4. Enter the address of your AssetWorx server.
5. 8883 is for a secure TLS MQTT protocol.

Configuration

Add Endpoint

Endpoint Type:

MQTT

Endpoint Name:

AssetWorx

Endpoint Description:

Connection	Topics	Certificates	Batching & Retention
<div><div>Server:</div><div>assetworx.infinidtech.com</div><div>Port:</div><div>8883</div><div>Protocol:</div><div>TLS</div><div>Client Id:</div><div>FX7500FBB168</div><div>Clean Session:</div><div><input checked="" type="checkbox"/></div><div>Debug:</div><div><input type="checkbox"/></div><div>BASIC Authentication:</div><div><input checked="" type="checkbox"/></div><div>User Name:</div><div>FX7500FBB168</div><div>Password:</div><div>.....</div><div>Keep Alive:</div><div>60</div></div> <div>Add</div>			

Click Topics

Configuration			
<div>Add Endpoint</div>			
Endpoint Type:		MQTT	
Endpoint Name:		AssetWorx	
Endpoint Description:			
Connection	Topics	Certificates	Batching & Retention
Management Events			
	Topic:		
	qos:	0	
	Retain:	True	
Tag Data Events			
	Topic:	reader/tagobservation	
	qos:	0	
	Retain:	True	
Management			
	Command		
	Topic:		
	Response		
	Topic:		
	qos:	0	
	Retain:	True	
Control			
	Command		
	Topic:	control/FX7500FBB168	
	Response		
	Topic:	assetworx/controlresp	
	qos:	0	
	Retain:	True	
<div>Add</div>			

Click Add

Set the certificate values as below:

Configuration			
<div>Add Endpoint</div>			
Endpoint Type:		<div>MQTT</div>	
Endpoint Name:		<div>AssetWorx MQTT</div>	
Endpoint Description:		<div></div>	
Connection	Topics	Certificates	Batching & Retent
<div><input checked="" type="checkbox"/> Use Installed Certs.</div>			
Certificate:		<div>Server</div>	
Passphrase:		<div></div>	
<div><input checked="" type="checkbox"/> Use CA Certs from Store.</div>			
Cert Algorithm:		<div>RS256</div>	
Cert Format:		<div>PEM</div>	
Verify Server Certificate		<input type="checkbox"/>	
Verify Host Name		<input type="checkbox"/>	
<div>Update</div>			

If you wish to Verify Server Certificate, you will need to install a CA Certificate:

https://zebradevs.github.io/rfid-ziotc-docs/certificate_management/index.html

Set the interface configuration:

Interface Configuration		
Management Interface:	<div>None</div>	<input checked="" type="checkbox"/> Local Rest Management
Control Interface:	<div>AssetWorx</div>	<input type="checkbox"/> Local Rest Control
Tag Data Interface1:	<div>AssetWorx</div>	
Tag Data Interface2:	<div>None</div>	
Management Events Interface:	<div>None</div>	
		<div>Update</div>

Click Update

Under Connection:

Connection

Connection :

Disconnect

Auto Connect:

☒

Connection Status

Interface	Endpoint Name	Endpoint Description	Connection Status	Connection Error
Management Interface	LOCAL-REST	Reader Web Server	connected	
Tag Data Events Interface1	AssetWorx MQTT	10.0.0.131:8883:FX7500FBB16	connected	
Control Interface	AssetWorx MQTT	10.0.0.131:8883:FX7500FBB16	connected	
Management Events Interface			disconnected	NOT_CONFIGURED

Under Operating Mode,

Mode Configuration

Mode

☒ Simple

☐ Conveyor

☐ Inventory

☐ Portal

☐ Custom

Configuration

Filters

Tag ID Filter

Value :

Match :

Operation :

Report Filter

Duration : Seconds

Type :

Environment :

Tag Metadata

☒ RSSI

☐ CHANNEL

☒ PHASE

☐ PC

☐ SEEN_COUNT

☐ XPC

☒ ANTENNA

☐ CRC

☐ USER MEMORY

☐ TID

User Defined :

Antenna Configuration

Port 1: ☒ Enable: Transmit Power: dbm

Port 2: ☒ Enable: Transmit Power: dbm

Port 3: ☐ Enable: Transmit Power: dbm

Port 4: ☐ Enable: Transmit Power: dbm

Set Properties