

Onboarding Kona Gateway onto TEKTELIC CORE Network Server

Introduction

- Reference guide to onboard Kona Gateways onto TEKTELIC CORE/OA&M Network Server.
- List Requirements:
- 1. Kona Gateway
- 2. TEKTELIC CORE/OA&M account credentials
- 3. Android/Apple smartphone (for LeapX only)
- High-level procedure involves three steps
- 1. Connect gateway to local network
- 2. Commission Gateway on the Network Server (NS)
- 3. Configure gateway details on NS to connect.

Connect Gateway to Local Network

By default, all Kona Gateways will attempt to connect to the internet through the Ethernet interface. It will attempt to reach address 8.8.8.8 to determine internet connectivity.

Please connect an Ethernet cable between the Kona Gateway and your router/switch. Ensure the gateway has the requisite permissions to access the internet prior to configuring it.

Commission Gateway

Once the gateway is connected, there are a couple of ways to commission the gateway.

- LeapX commissioning onto TEKTELIC CORE Network Server (NS)
- Commissioning onto TEKTELIC CORE Network Server (NS)
- Commissioning onto TEKTELIC OA&M Server

This guide will provide a brief overview of all three methods. Before proceeding, please ensure you have TEKTELIC CORE NS/OA&M credentials ready. If you do not have credentials, <u>please raise a ticket</u> on the support portal.



Figure-1 Gateway Identification

LeapX Commissioning

To onboard your gateway using LeapX, please log in through the NS.



Figure-2 LeapX Login Process

LeapX Commissioning (Cont.)

Once logged in through the LeapX app, select Gateway in the **top left** to bring up a list of gateways, then select the **Blue (+)** in the **bottom right**. Then you may scan the gateway's QR code.

Tip: Adjusting the Zoom will also adjust the focus of the camera.

Figure-3 Scanning the gateway



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LeapX Commissioning (Cont.)

Once the QR code is scanned, it will appear in your list of gateways!

If you receive an error when scanning a QR code, <u>please contact</u> <u>TEKTELIC support.</u>

> Figure-4 Gateway list



Commissioning to TEKTELIC CORE

To manually commission your gateway to TEKTELIC CORE NS, please follow the steps below:

- 1. Login to your NS instance using TEKTELIC CORE credentials: FOR NA USERS FOR EU USERS
- 2. On the left navigation pane, select Gateway Groups.
- 3. In the top right, click the (+) symbol to create a new gateway group. Name it as desired.
- 4. With the Gateway Group created, click the Manage Gateways icon.

| | Add Gateway group X | |
|------------------------|-----------------------|------------------------|
| | GATEWAY GROUP DETAILS | Customer administrator |
| | Name* | |
| Customer administrator | Description | |
| | | + Q |
| | | |
| | | |
| | | _ |
| <u></u> | | (🛋) 🖬 |
| | ADD CANCEL | |

- 5. Within the gateway group, click the (+) icon in the top right to create a gateway.
- 6. Fill out the fields as required:
 - **<u>Name</u>**: Enter as desired.
 - <u>GW-ID:</u> Found on the label of the gateway in the format of 64-7F-DA-FF-FE-XX-YY-ZZ, where
 XXYYZZ are numbers.
 - **<u>Gateway Model</u>**: Enter the model that matches your gateway.
 - Checkboxes:
 - <u>Allow UDP connection</u>: Tick this box ONLY if you have a third-party gateway or Kona Micro-Lite/Pico.
 - <u>Allow not TLS MQTT connection</u>: Tick this box if you have an older Kona Gateway
- 7. Finalize by selecting Add at the bottom.

NOTE: "Older Kona Gateway" refers to the <u>serial numbers</u> that start with digits lower than 2314.

| dd Gateway | | × |
|---|--------|---|
| GATEWAY DETAILS LOCATION | | |
| Name* | | |
| GW-ID* | 0/16 | |
| Gateway model * | | |
| Public Logging enabled Allow UDP connection |] | |
| Allow not TLS MQTT connection | | |
| Inactivity timeout (sec) | | |
| Description | | |
| ADD | CANCEL | · |

Figure-5 Creating Gateway on TEK NS

Once commissioned, your gateway will still be offline.

- 8. Click on the name of the newly created gateway and it will bring up the gateway details.
- 9. Then, in the top row, select Manage Credentials.



10. Fill out the credentials according to the table seen below. Credential type should be **Basic**. Finalize by clicking save.

| Credentials | × | | | |
|------------------------|-------|--|--|--|
| | | Username | Password | Additional Notes |
| Credentials type Basic | • | ΤΕΚ ΧΧΥΥΖΖ | Serial Number (i.e. 1212A3434) on the back of the gateway | XXYYZZ are the last six digits of the GWID found on the label of the gateway. |
| Username | | Random characters | Random characters | Found on the test report. |
| Password * | | <u>NOTE:</u> Gateways made in April 2023 (SNs starting with 2314) and onwards will have randomized strings of characters for both username and password. You may find these credentials on the test report included with each gateway. | | |
| SAVE CA | ANCEL | | | |

Figure-6 TEKTEKLIC NS Gateway Credentials

TEKTELIC

7657 10th Street NE Calgary, Canada T2E 8X2 TEKTELIC.com

KONA Test Summary Certificate

| MPCMPD INITM | | | |
|--|----------------|------------|------------|
| KONA Catoway NA | | | |
| KONA Gabeway, NA | | | |
| FINAL TEST SUMMARY | | | |
| Status | PASSED | | |
| Test Station | test-pc | | |
| Tester ID | AB | | |
| Test Sequencer Version | 4.138.1 | | |
| Date Tested | 2023-02-15 | | |
| Installed SW | BSP 5.1.7 | | |
| DETAILED TEST STATUS | | | |
| PCBA Program and Test | | PASSED | |
| Power Meter Calibration Status | | Valid | |
| Test set Calibration Status | | Valid | |
| Rx Sensitivity | | PASSED | |
| Tx IQ Calibration | | PASSED | |
| Modem Configuration | | PASSED | |
| Modem Verification | | PASSED | |
| Set Firewall | | DONE | |
| Set Packet Forwarder For Order | | PASSED | |
| Customer Configuration | | PASSED | |
| Pressure Drop Measurement | | PASSED | |
| COM COM CONTINUES CREDENTIALS | | | |
| Network Server User: xeYdmYzx | | | |
| Network Server Pass: CVosuER3 | | | |
| Network Server Key: | | | |
| OAM Server User: | | | |
| OAM Server Pass: | | | |
| OAM Server Key: | | | |
| Geolocation Server User: | | | |
| Geolocation Server Pass: | | | |
| Geolocation Server Key: | | | |
| Username: | | | |
| Password: | | | |
| Additional customer documentation, incl. | uding User Gui | des and Ou | lick Start |
| | | | |

Additional customer documentation, including User Guides and Quick Start Guides, can be found in the knowledge base (KB) section of the TEKTELIC support website at the following internet address: http://support.tektelic.com/

Figure-7 Gateway test report

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Commissioning to TEKTELIC OAM

To manually commission your gateway to TEKTELIC OAM, please follow the steps below:

- 1. Login to TEKTELIC OAM
- 2. On the left navigation pane, select Gateway Groups.
- 3. In the top right, click the (+) symbol to create a new gateway group. Name it as desired.
- 4. With the Gateway Group created, click the Manage Gateways icon.



- 5. Within the gateway group, click the (+) icon in the top right to create a gateway.
- 6. Fill out the fields as required:
 - Name: Enter as desired.
 - GW-ID: Found on the label of the gateway in the format of 64-7F-DA-FF-FE-XX-YY-ZZ, where XXYYZZ are numbers.
 - Gateway Model: Enter the model that matches your gateway.
- 7. Finalize by selecting Add at the bottom.

NOTE: TEKTELIC OAM only supports MQTT connection to the gateway. This means that 3rd-party gateways are NOT supported.

| Add Gateway | | × |
|--------------------------|-----|--------|
| GATEWAY DETAILS LOCATION | | |
| Name* | | |
| GW-ID* | | 0/16 |
| Gateway model * | | |
| Public Logging enabled | | |
| Inactivity timeout (sec) | | |
| Description | | |
| | | |
| | ADD | CANCEL |

Figure-8 Add Gateway on OAM

Once commissioned, your gateway will still be offline.

- 8. Click on the name of the newly created gateway and it will bring up the gateway details.
- 9. Then, in the top row, select Manage Credentials.



10. Fill out the credentials according to the table seen below. Credential type should be **Basic**. Finalize by clicking save.

| Credentials | × | | | |
|---------------------------|------|-------------------|--|--|
| Credentials type Basic | • | Username | Password | Additional Notes |
| Username * | | ΤΕΚ ΧΧΥΥΖΖ | Serial Number (i.e. 1212A3434) on the back of the gateway | XXYYZZ are the last six digits of the GWID found on the label of the gateway. |
| Password * | | | | |
| | | | | |
| SAVE CA | NCEL | | | |

Figure-9 Gateway credentials on OAM

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