

AIO-W215-MTL 15.6" Full HD Capacitive IP65 All In One Touchscreen Computer with Intel® Core™ Ultra Series 1 Processors

Getting Started Guide for AWS IoT Greengrass

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1 Document Information

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1.0	December 2025	Publish Document

2 Overview

2.1 Introduction

The AIO-W215-MTL All In One Industrial Touchscreen Computer delivers a larger 15.6" 16:9 Full HD display with a rugged IP65 front panel and 7H hardened glass for dependable durability in industrial environments. Designed for modern HMI and edge automation, it provides glove-friendly projected capacitive touch, wide viewing angles, and long-life LED backlighting.

2.2 Powered by Intel® Core™ Ultra Series 1 processors, the AIO-W215-MTL brings next-generation efficiency, hybrid-core performance, and improved AI capabilities to industrial deployments. With three 2.5GbE LAN ports, multiple USB and Type-C connections, dual DisplayPort outputs, and flexible M.2 expansion for Wi-Fi, Bluetooth, and 4G/5G, the system supports a broad range of industrial connectivity and real-time control applications."

2.3 About AWS IoT Greengrass

To learn more about AWS IoT Greengrass, see [how it works](#) and [what's new](#).

3 Hardware Description

3.1 DataSheet

Click on this link (https://premio.blob.core.windows.net/premio/uploads/resource/datasheet/AIO-200-MTL/DS_AIO-W215-MTL_Premio.pdf) to view the datasheet of AIO-W215-125U.

3.2 Additional Hardware References

Please refer to the [AIO-W215-125U](#) device page for more product details

3.3 User Provided Items

Not applicable.

3.4 3rd Party Purchasable Items

Not applicable.

4 Set up your Development Environment

AWS IoT Greengrass supports both Windows and Linux:

<https://docs.aws.amazon.com/greengrass/v2/developerguide/operating-system-feature-support-matrix.html>.

Please refer to the developer guide for the required tools and proper setup:
<https://docs.aws.amazon.com/greengrass/v2/developerguide/what-is-iot-greengrass.html>

It is recommended to install the following tools/SDKs:

- Java Runtime Environment (JRE) version 8 or greater
- Java Development Kit (JDK) Amazon Corretto 11 (<https://aws.amazon.com/corretto/>) or OpenJDK 11 (<https://openjdk.java.net/>)
- GNU C Library (<https://www.gnu.org/software/libc/>); (glibc) version 2.25 or greater

5 Set up your Hardware

Please refer to the device [User's Manual](#) for the hardware setup.

6 Setup your AWS account and Permissions

Refer to the online AWS documentation at Set up your AWS Account:

<https://docs.aws.amazon.com/iot/latest/developerguide/setting-up.html>

Follow the steps outlined below to create your account and user to get started:

- Sign up for an AWS account:
<https://docs.aws.amazon.com/iot/latest/developerguide/setting-up.html#aws-registration>
- Create a user and grant it the proper permissions:
<https://docs.aws.amazon.com/iot/latest/developerguide/setting-up.html#create-iam-user>
- Open the AWS IoT console:
<https://docs.aws.amazon.com/iot/latest/developerguide/setting-up.html#iot-console-signin>

7 Create Resources in AWS IoT

Refer to the instructions on how to create AWS IoT resource:

<https://docs.aws.amazon.com/iot/latest/developerguide/create-iot-resources.html>

Follow the steps outlined in these sections to provision resources for your device:

- Create an AWS IoT Policy
- Create a thing object

8 Install the AWS Command Line Interface

To install the AWS CLI on your host machine, refer to the instructions:

<https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html>

Installing the CLI is required to complete the instructions in this guide. Once you have installed AWS CLI, configure it per the instructions:

<https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-quickstart.html#cli-configure-quickstart-config>

Set the appropriate values for access key ID, secret access key, and AWS Region based on your AWS account. You can set Output format to "json" if you prefer.

9 Install AWS IoT Greengrass

Follow the online guide to [Install with automatic provisioning](#). Refer to the instructions in the following steps:

[Set up the device environment](#)

[Provide AWS credentials to the device](#). For development environments, you can use the option "Use long-term credentials from an IAM User". An example of how to do this is shown below:

```
export AWS_ACCESS_KEY_ID=<the access key id for your user>
export AWS_SECRET_ACCESS_KEY=<the secret access key for your user>
```

[Download the AWS IoT Greengrass Core software](#)

[Install the AWS IoT Greengrass Core software](#)

10 Create a Hello World Component

In AWS IoT Greengrass v2, components can be created on the edge device and uploaded to the cloud, or vice versa.

To create, deploy, test, update and manage a simple component on your device, follow the instructions under the section "To Create a Hello World Component":

<https://docs.aws.amazon.com/greengrass/v2/developerguide/getting-started.html>

To upload the component to the cloud, follow the instructions under the section "Upload Your Component":

<https://docs.aws.amazon.com/greengrass/v2/developerguide/upload-first-component.html>

10.1 Deploy your component

Follow the instructions online at [Deploy your Component](#) to deploy and verify that your component is running.

11 Troubleshooting

For AWS IoT Greengrass general troubleshooting tips, please refer to:

<https://docs.aws.amazon.com/greengrass/v2/developerguide/troubleshooting.html>

For device specific troubleshooting guide, please contact us directly at

techsupport@premioinc.com.