



Quick Start

Version: 20210602

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This topic introduces how to use the Tuya IoT Platform to fast create a smart product. You can scan a QR code with the Tuya Smart mobile application to get a browsing experience.

1 Preparation

1. Go to the [account registration page](#), and follow the guide on the page to obtain a developer account.
2. (Optional) Complete the enterprise certification. For more information about the enterprise certification, see the [Enterprise certification process](#).

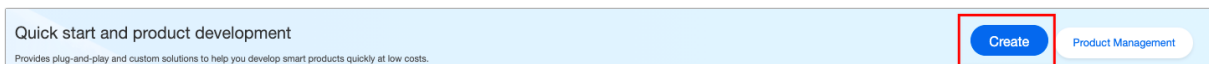
Note: An enterprise account refers to the account registered on the Tuya IoT Platform, and after you fill in the relevant information of your company, it passes the certification of Tuya Smart. At present, the enterprise certification mainly requires the business accounts of your company. The account that completes the Tuya Smart authentication will have more account benefits. For more information, visit [Cloud Market](#).

Important: The account you registered has administrative permission. Please keep your account properly to prevent the smart hardware products, apps, device operations, or user data from being subject to security risks.

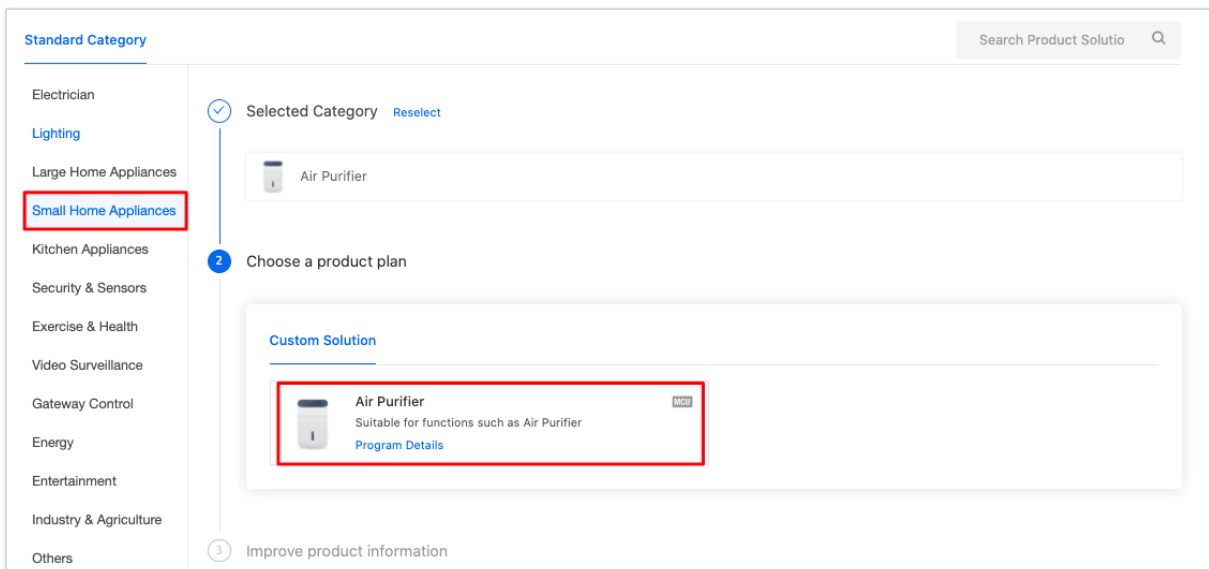
2 Procedure

2.1 Step 1: Create a product

1. Log in to the [Tuya IoT Platform console](#).
2. Click **Create**.

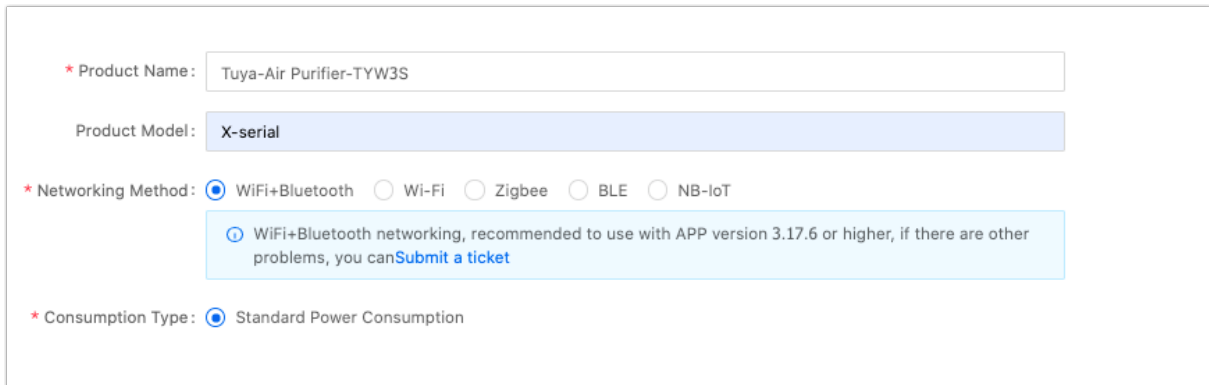


3. Choose a category and a product. For example, choose a product under the **Small Home Appliances**, and click the icon of the air purifier.



Important: The product category is very important, which will affect the subsequent product functions and recommendations of the app panel. If the product category you need is not available, [contact Tuya Smart](#) to add it.

4. Fill in the **Product Name** and **Product Model**, select the **Networking Method**, and click **Create Product**.



* Product Name: Tuya-Air Purifier-TYW3S

Product Model: X-serial

* Networking Method: WiFi+Bluetooth Wi-Fi Zigbee BLE NB-IoT

WiFi+Bluetooth networking, recommended to use with APP version 3.17.6 or higher, if there are other problems, you can [Submit a ticket](#)

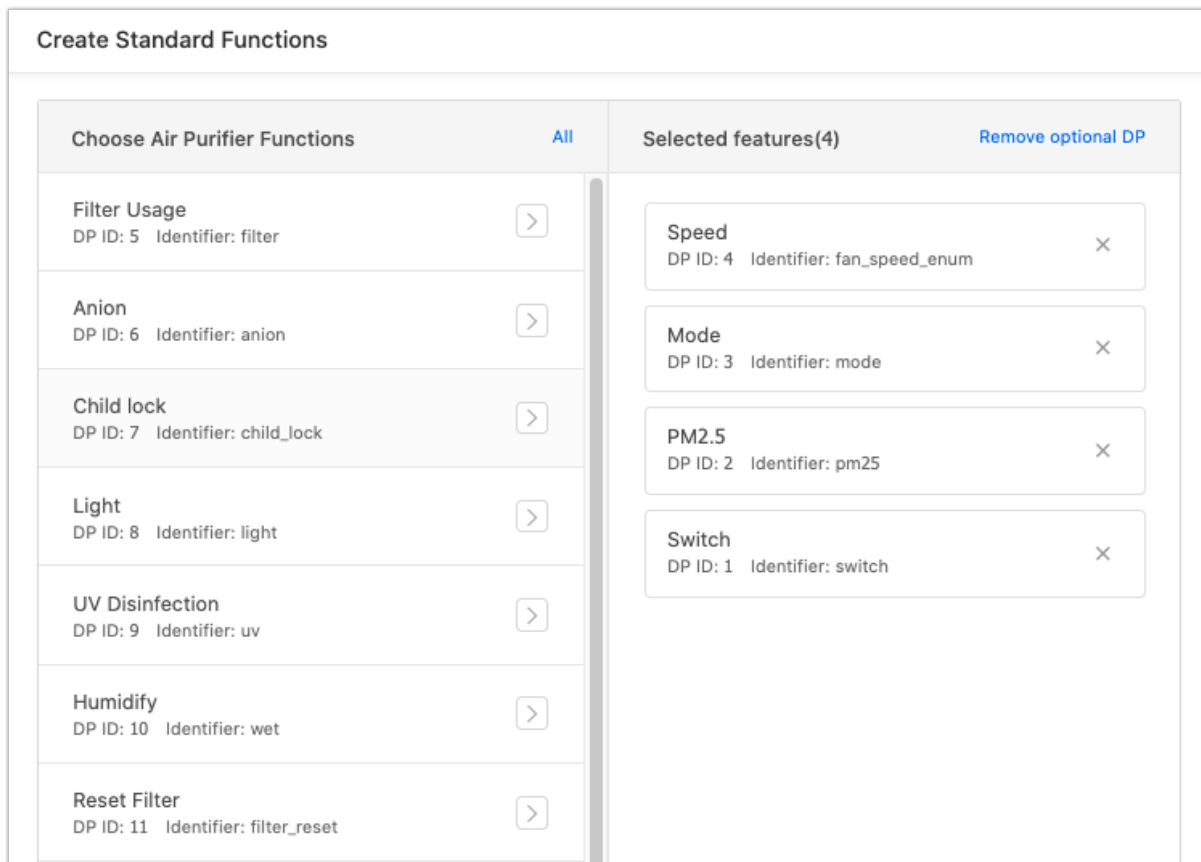
* Consumption Type: Standard Power Consumption

2.2 Step 2: Set product functions

Function refers to the functional abstraction of a smart product, which is one of the most important attributes of a product. Functions are represented by different data points (DP for short). For example, a **switch** has functions of **on** and **off**. You can define the switch as a Boolean DP, with 1 indicating on and 0 indicating off.

1. Go to the development page of the smart product and enter the **Function Definition** step.
2. According to the guide on the page, select multiple standard product functions.

Note: In the **Standard Functions**, the Tuya IoT Platform console has set some **Required** DPs according to the category you selected. You cannot delete the data point with the **Required** mark.



3. Click **Confirm** to complete the addition.
4. (Optional) If the product function you want to add is not one of the standard functions, you can click **Create Functions** at the **Custom Functions** area, or enable some **Cloud Functions**.

Standard Functions							+ Create Functions
DP ID	Function points	Identifier	Data type	Function type	Properties	Remark	Operate
1	Switch	switch	Issue and report	Boolean			Edit Delete
2	PM2.5	pm25	Only report	Integer	Values range:0-999, Pitch1, Scale0, Unit:		Edit Delete
3	Mode	mode	Issue and report	Enum	Enumerated values:manual, auto, comfortable, sleep		Edit Delete
4	Speed	fan_speed_enum	Issue and report	Enum	Enumerated values:sleep, low, mid, high, auto		Edit Delete

Custom Functions							+ Create Functions
DP ID	Function points	Identifier	Data type	Function type	Properties	Remark	Operate
Create a custom function to populate this table							

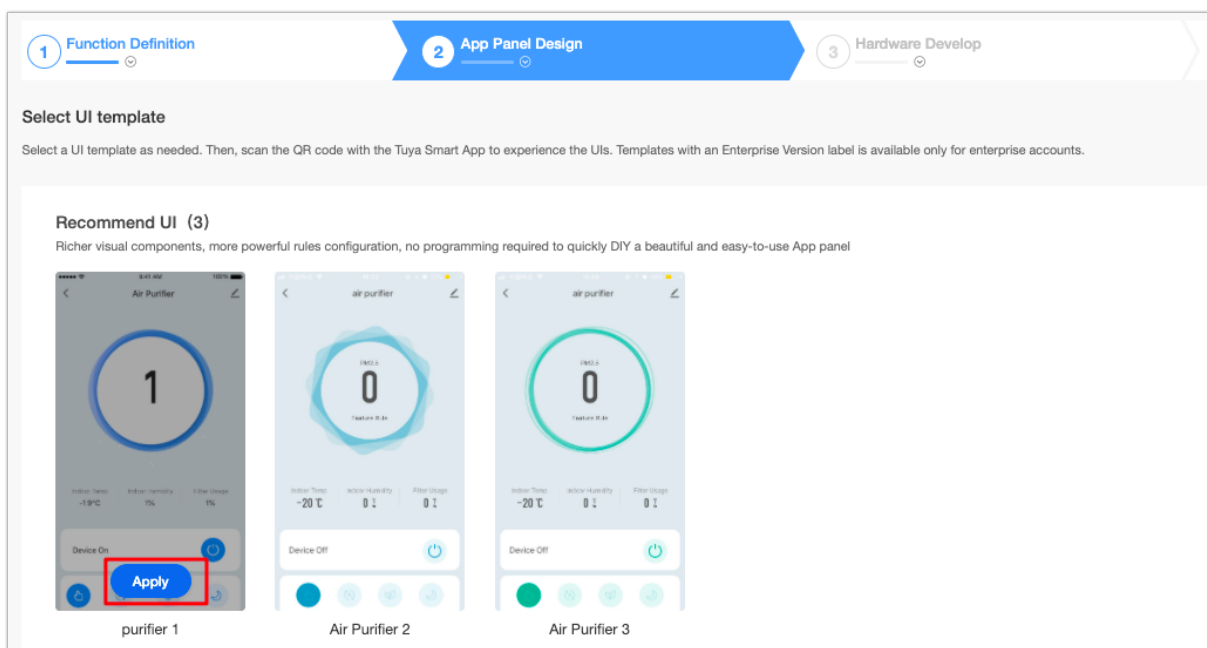
Cloud Functions							+ Create Functions
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The MCU SDKs for embedded development and app control panels will be automatically generated based on the selected product functions.

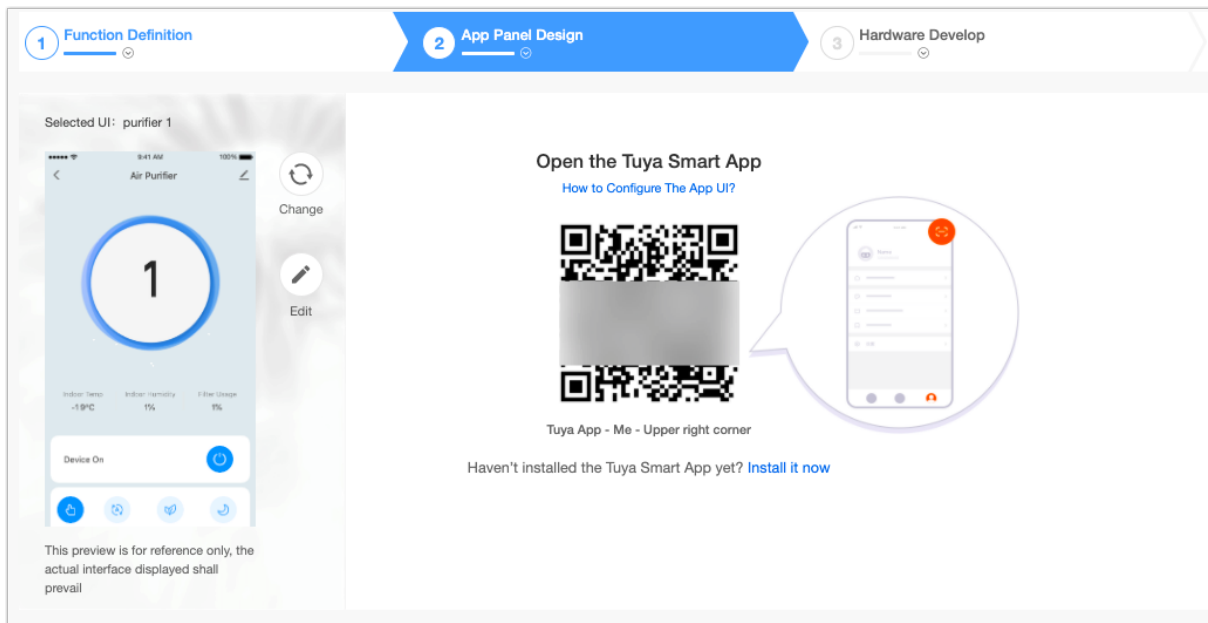
2.3 Step 3: Select the app panel

The panel is a control dashboard on the mobile application of the smart product. After selecting the panel, it will be displayed when the user controls the smart device on the app.

1. Go to the development page of the smart product and enter the **Device Panel** step.
2. In the **Select Device Panel** area, apply a panel as the app control dashboard.



3. (Optional) If you want to quickly customize the UI setting and page layout based on the recommended panel, you can click **Edit** after selecting the panel, and go to the panel studio to complete the panel customization online.
4. Get the QR code that you can have a browsing experience for the product.

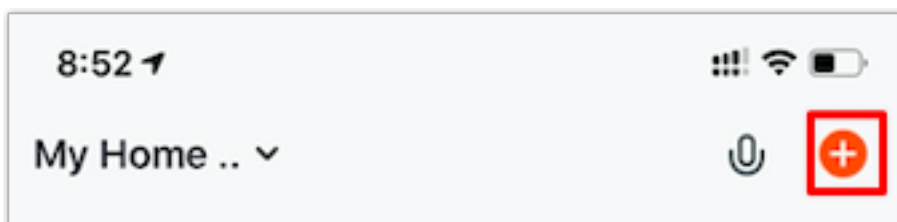


2.4 Step 4: Preview the product

1. Scan the code with your phone camera to download the Tuya Smart app.

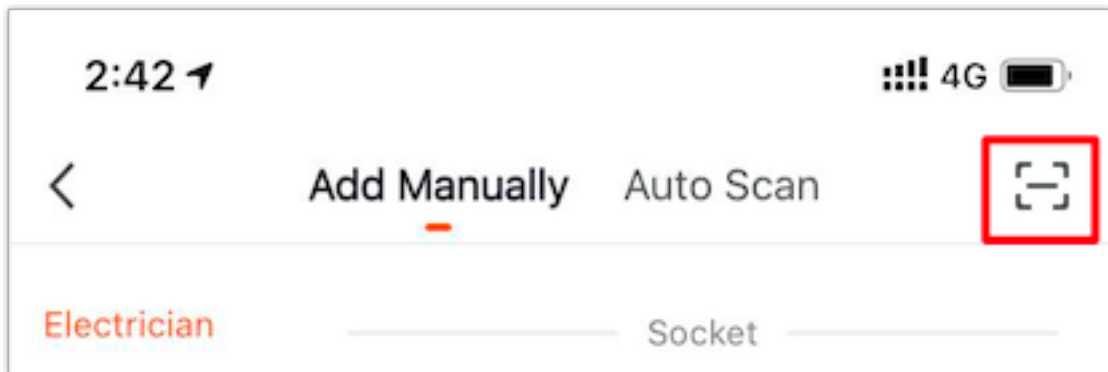


2. Register a Tuya Smart app account and enter the app.
3. On the home page of the app, click + in the top right corner.



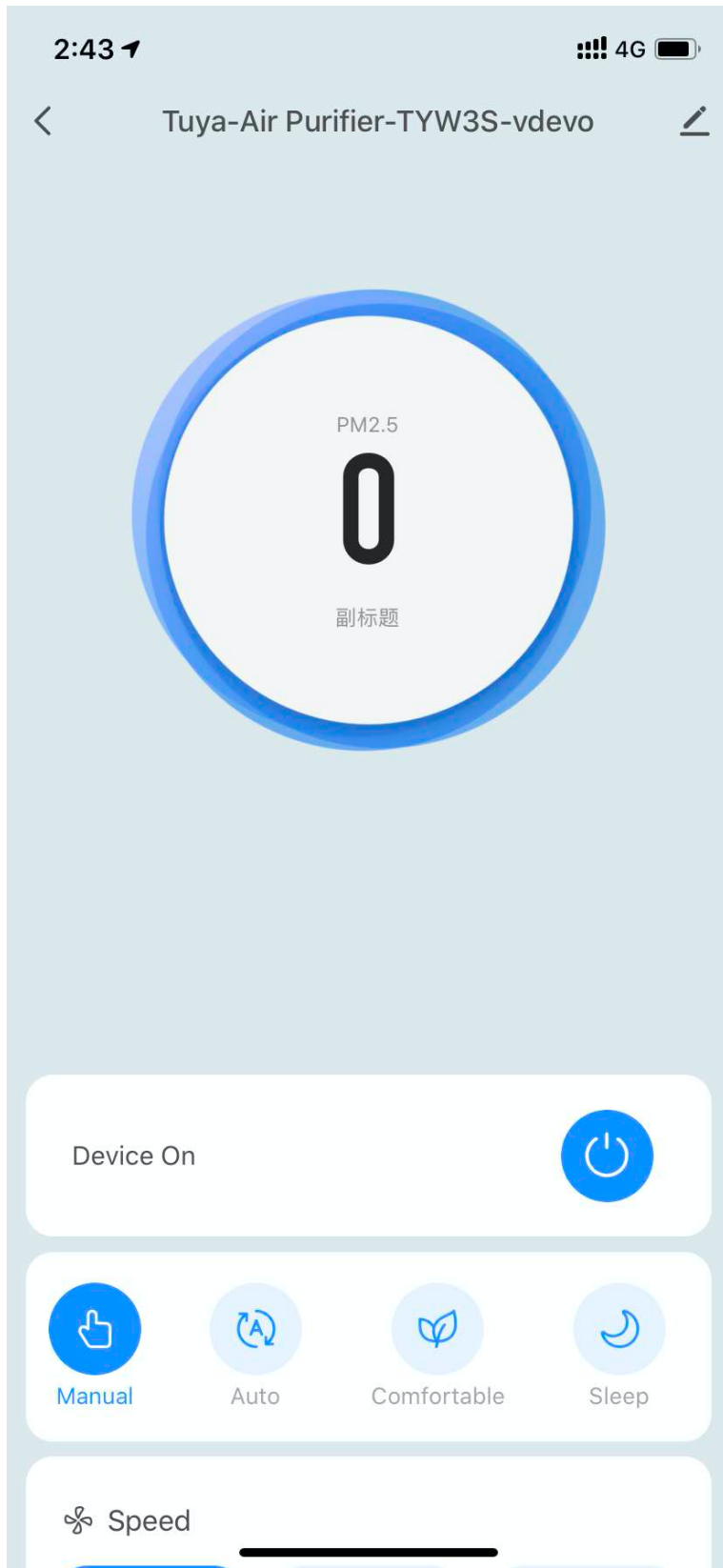
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4. Tap the code scanner icon in the top right corner of the product list.



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5. Scan the QR code of the product, and start to experience your product. Now, you can preview your products on your mobile phone, and use product features and panel styles.



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3 Next steps

After you create a product, you can continue to develop the product according to the following steps.

1. [Hardware development](#)
2. [Cloud configuration](#)
3. [Arrange production](#)