



Device Intelligentize in 5 Minutes

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Device Intelligentize in 5 Minutes

The screenshot shows the Tuya IoT console dashboard. At the top, there is a navigation bar with the Tuya logo and various menu items: Home, Product, App Service, Purchase, Data, Operation, Document, Cost, Value-added Service, and Technical Support. Below the navigation bar, there is a main content area with a red header for 'Smart Home VR Experience Software'. The dashboard is divided into several sections:

- Quick start and product development:** A section with a 'Create' button (highlighted with a red box and an arrow) and a 'Product Management' button. It displays statistics for product development stages: Total (341), In development (297), Trial production (7), and Mass production (37).
- Data:** A section titled 'Data' with a 'Go to Data' link. It contains two tables showing device and app data trends.
- Latest news:** A section with a 'More' link, displaying news items like '2020 Chinese New Year Holiday Announcement by...' and 'Update instruction for V3.14.0'.
- Any problems while using platform?:** A section with a 'Submit Question' button and a 'Go to Technical Support' link.
- Value-added Service:** A section with a 'Go to Value-added Service' link, providing information about professional services.

Device Data	Activated Yesterday	Activated in Last 30 Days	Total activation
	0	0	0

App Data	Registered Yesterday	Registered in Last 30 Days	Total registration
	0	0	1
	User Reviews Yesterday	User Reviews in Last 30 Days	Total review
	0	0	0

Figure 1: image.png

1 Step 1. product information

In product development, click “Create New Product”, enter your product name, select the product category and communication method.

Note that, you select the product category is very important, will affect the follow-up product features and App interface recommendations. If your product category is not in the selection categories, please contact us to add.

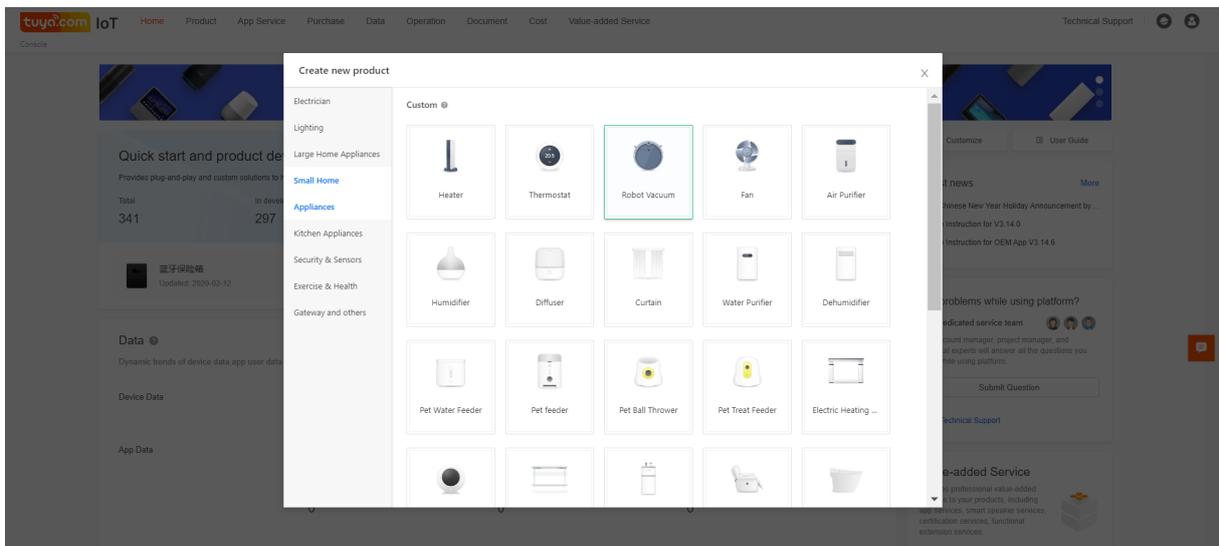


Figure 2: image.png



Device Intelligentize in 15 Steps PRODUCT INFORMATION

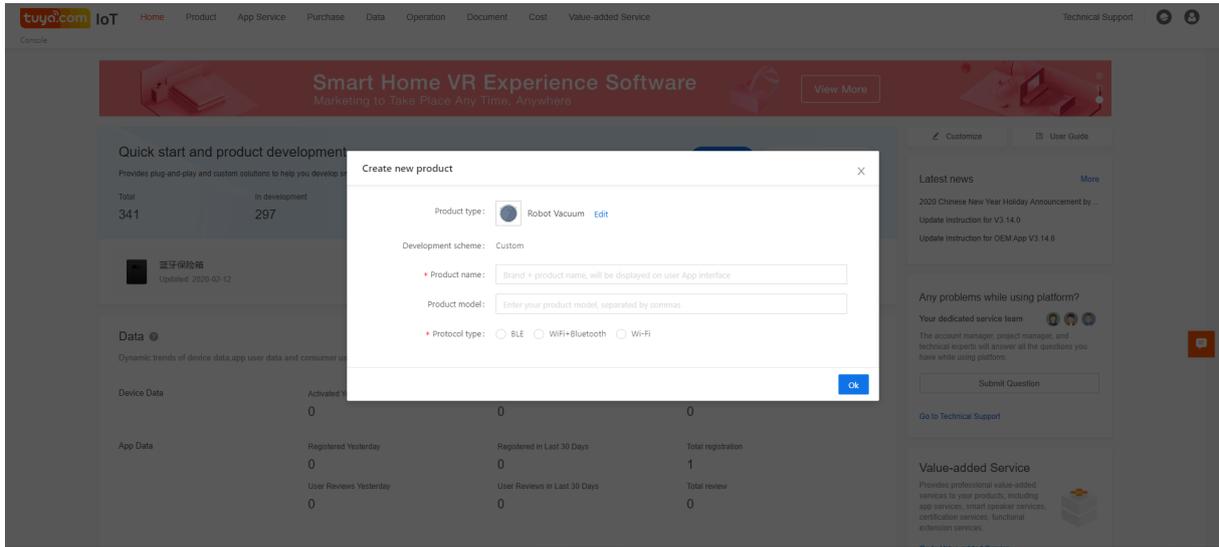


Figure 3: image.png

2 Step2. Define functions

We've recommended some common features for you, including mandatory and optional features.

Required features can't be canceled, the optional features default to all options, you can cancel your product does not have the function. If you are not clear about functions for the moment, it does not matter. after the product creation It can be edited again.

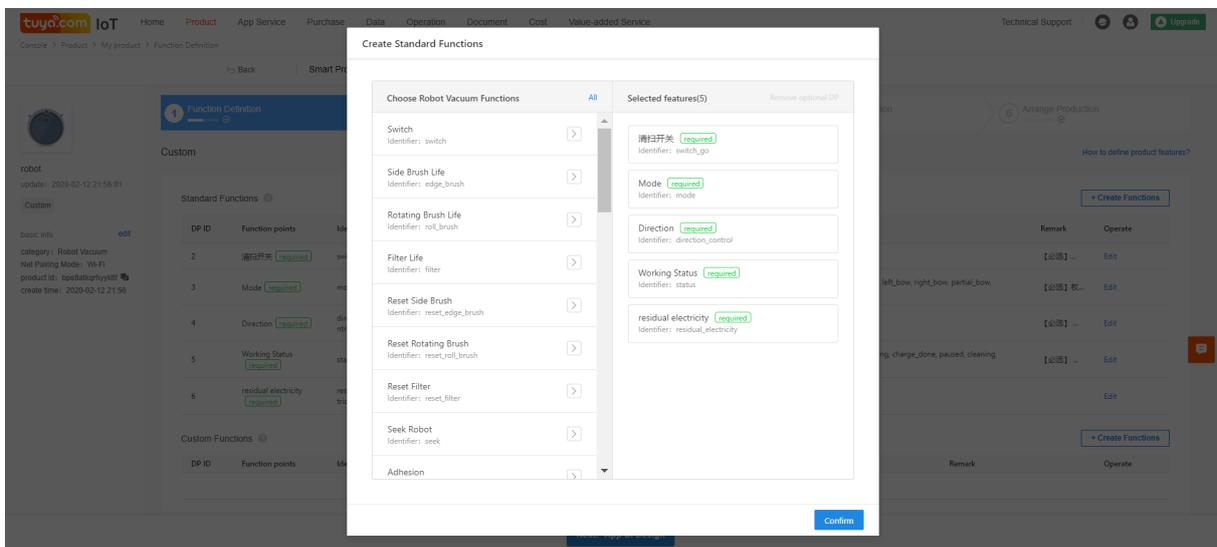


Figure 4: image.png



Device Intelligentize in 5 Minutes STEP2. DEFINE FUNCTIONS

The screenshot shows the 'Function Definition' step in the Tuya IoT console. The breadcrumb trail is 'Console > Product > My product > Function Definition'. The product is named 'robot' and is a 'Robot Vacuum'. The page is divided into a left sidebar with product details and a main content area with a progress bar and function tables.

Progress Bar: 1. Function Definition (Active), 2. App UI Design, 3. Hardware Develop, 4. Cloud Configuration, 5. Arrange Production

Product Information: robot, update: 2020-02-12 21:56:01, category: Robot Vacuum, Net Rating Mode: Wi-Fi, product ID: tpe684thgmyk8f, create time: 2020-02-12 21:55

Standard Functions Table:

DP ID	Function points	Identifier	Data type	Function type	Properties	Remark	Operate
2	清扫开关 (required)	switch_go	Issue and report	Boolean		[必选]	Edit
3	Mode (required)	mode	Issue and report	Enum	Enumerated values:standby, random, smart, wall_follow, mop, spiral, left_spiral, right_spiral, bow, left_bow, right_bow, partial_bow, chargego, single_zone, pose, point, part_pick_zone	[必选]	Edit
4	Direction (required)	direction_control	Issue and report	Enum	Enumerated values:forward, backward, turn_left, turn_right, stop	[必选]	Edit
5	Working Status (required)	status	Only report	Enum	Enumerated values:standby, smart_clean, wall_clean, spot_clean, mop_clean, goto_charge, charging, charge_done, paused, cleaning, zone_clean, part_clean, pick_zone_clean, goto_pos, pos_arrived, pos_unarrive, sleep	[必选]	Edit
6	residual electricity (required)	residual_electricity	Only report	Integer	Values range:0-100, Pitch1, Scale0, Unit%		Edit

Custom Functions Table:

DP ID	Function points	Identifier	Data type	Function type	Properties	Remark	Operate
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Buttons: 'Create Functions', 'Next: App UI Design'

Figure 5: image.png

3 Step 3. Product UI

App control interface is the skin of smart products. We have provided different styles of templates to choose from, you can select according to your style preferences and product features.

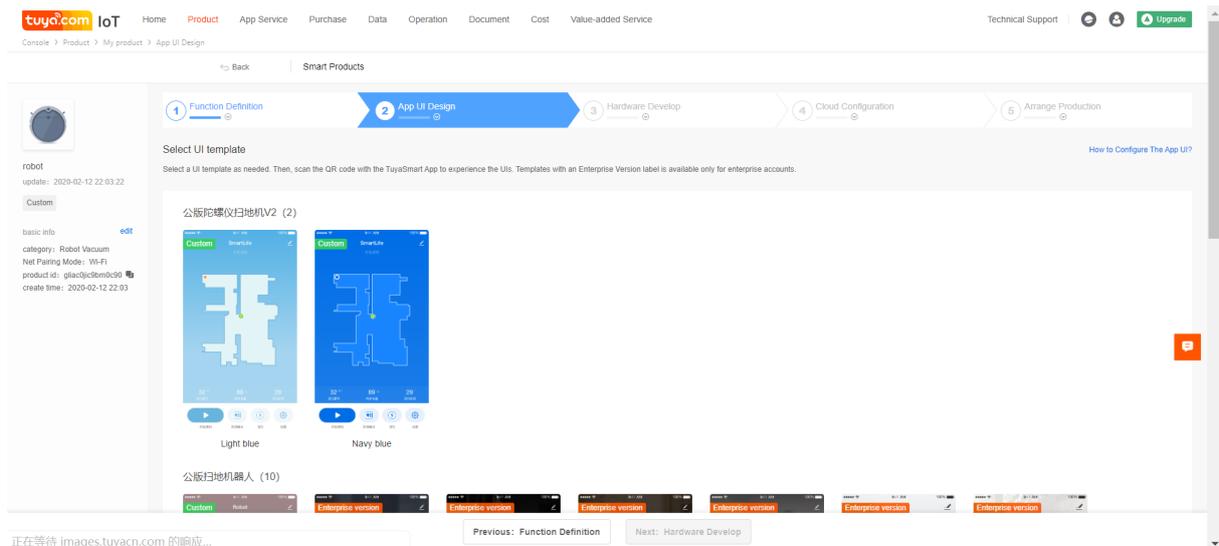


Figure 6: image.png

Free configuration template, you can set different product features of different styles of components, colors, icons, background, etc., to create the desired interface;

Development debug template, you can view the debug log, auxiliary development and debugging, not recommended to publish to users;

Some of the template categories have restrictions on the function, only support standard features, does not support customization, please take it into consideration when selecting the template.

4 Step 4. Experience device

The above three steps, click “Finish”, the product is created successfully, and you can immediately use your phone to scan the code to experience your product. You need to use “Scan” feature of Tuya smart App. Click “Start Development” to enter the product overview page.

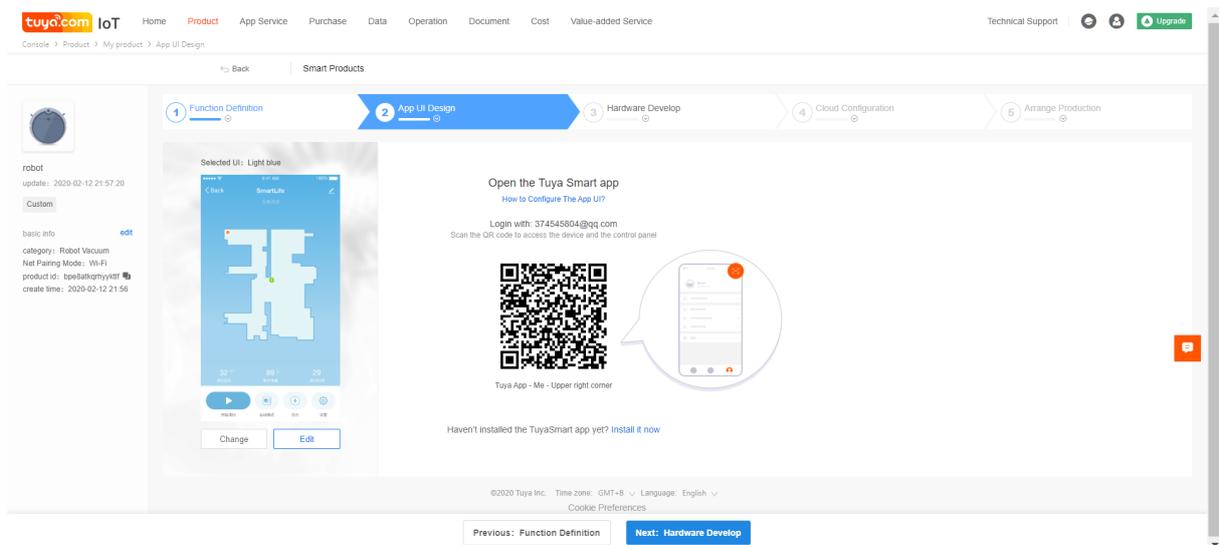


Figure 7: image.png

At this point, you could preview your product, experience the product features and interface styles on your smartphone.

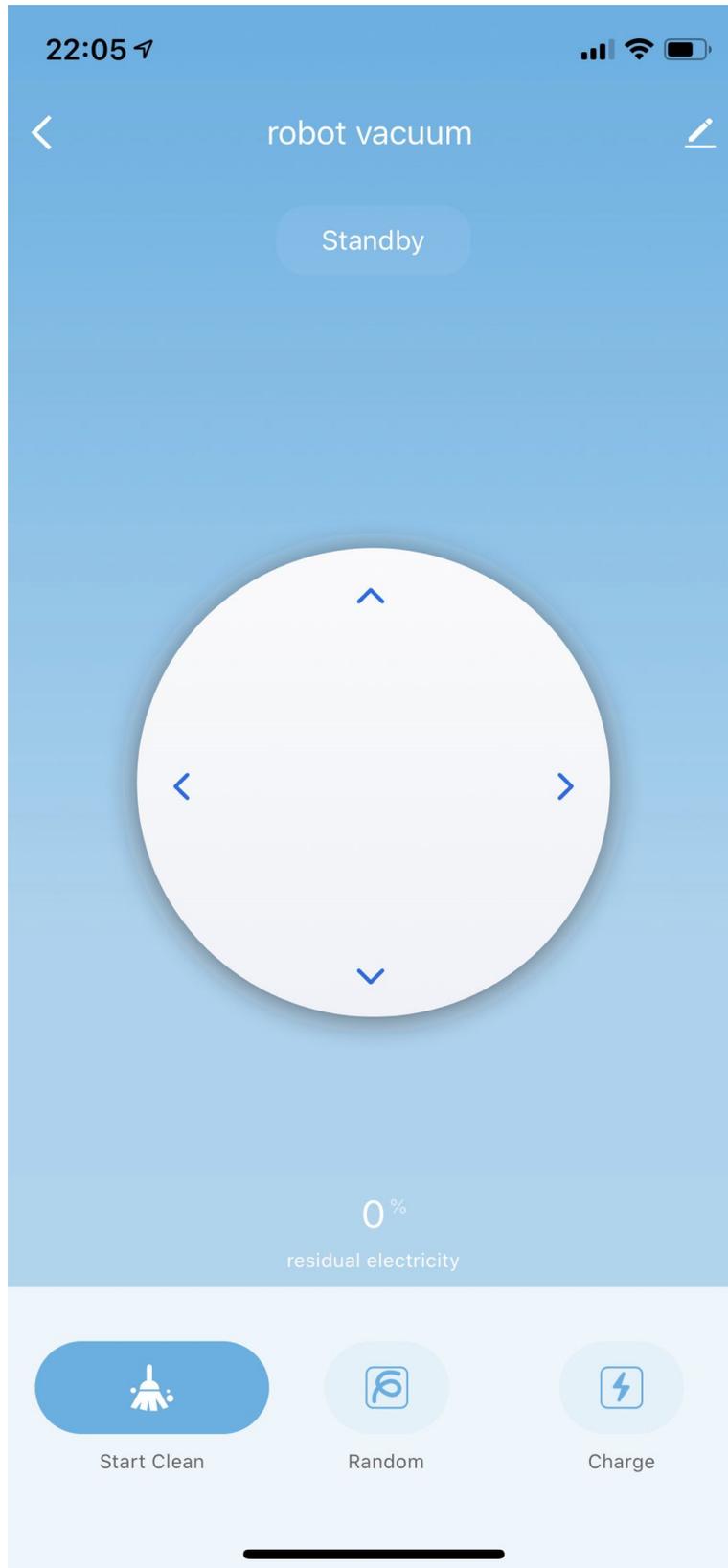


Figure 8: image.png



5 Product Development Flow

Define product function

Configure the App interface

Hardware and MCU development

Product publish on-line

Click the corresponding step to jump to the corresponding settings page. According to the product development status, complete the corresponding part of the development and settings.

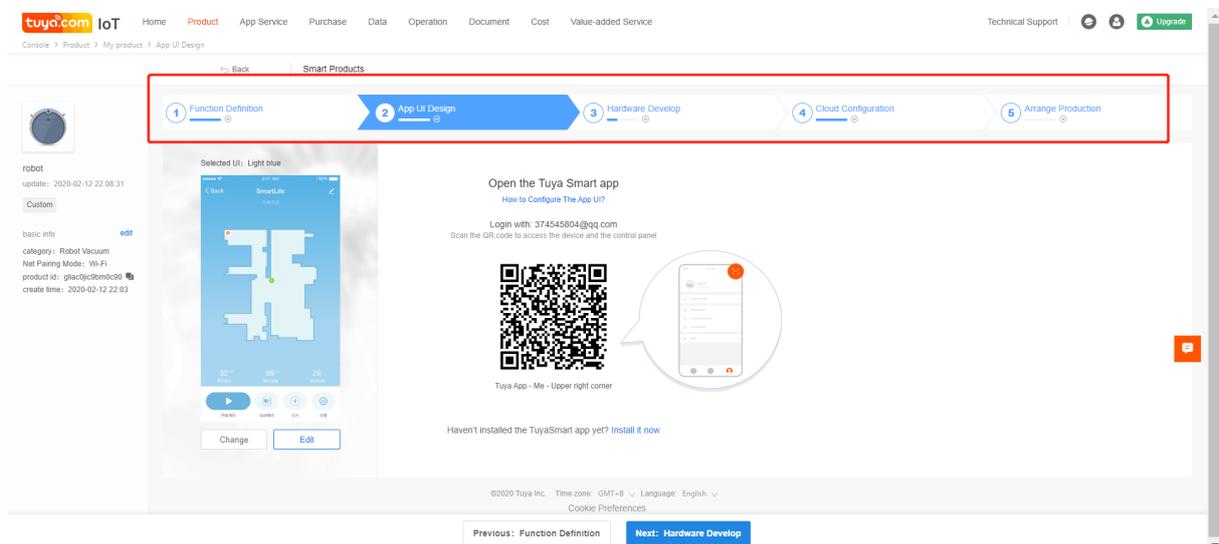


Figure 9: image.png