



Arduino MKR IoT Carrier

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Control what you want, how you want to.

Value Proposition

Why should customers buy this product?

The MKR IoT Carrier gives infinite possibilities for IoT projects.

No soldering required! The integrated sensors, circuits and display leave you free to focus on programming and prototyping your ideas, rather than wiring and troubleshooting.

- This product provides with a complete set of sensors and actuators to prototype a big set of IoT applications.
- The main benefit of this product is that it allows users to focus in their applications development without the friction of the wiring and HW troubleshooting



In Brief

INTEGRATED SENSORS AND CIRCUITS -
MAKES IoT PROJECTS EASIER THAN EVER



Value Proposition Breakdown Version

Customer need / Value proposition	Target	Values
Sense and gather knowledge about different parameters (temperature, light, humidity, etc.) around	Makers - building remote controlled tools for their environment (home or office)	Convenience / Simplicity All on one board, previously would have involved multiple parts (sensors), wires and soldering. Removes the friction with the wiring and HW prototyping
Build stand-alone projects that they can program and leave somewhere performing different tasks	Makers - building remote controlled tools for their environment (home or office)	Flexibility / Practicality Saving work locally, easy to power product, (with a battery), battery charger





Arduino MKR IoT Carrier

Features And Benefits

MKR IoT Carrier Features

Map the environment around the carrier using the integrated sensors, easily add more external sensors to capture more data from more sources and store all the data locally or connect it to the Arduino IoT Cloud* for real-time data capture, storage and visualisation.

*Simply attach any of the MKR family boards to provide the connectivity type of choice (WiFi, BT, GSM, LoRa, NB-IoT) and seamlessly integrate with the Arduino IoT Cloud. All the MKR family boards share a common pinout to easily connect with the MKR IoT Carrier.

– Environmental sensors

Temperature, humidity, pressure, ambient light and RGB light sensors.

– Movement sensors

6 axis IMU (Inertial Measurement Unit), gesture and proximity sensors

– External sensors connectors

Grove connectors: 2 Analog + 1 I2C connectors

– Storing features

Slot for SD card (not included)



MKR IoT Carrier Features

Create a local user interface for your IoT projects by using the different components embedded on the board to create visual and sound alerts.

Directly control small-voltage electronic appliances using the on-board relays and the five tactile buttons, with the integrated display providing a handy on-device interface for immediate control.

- **OLED Color display**

Rounded colour display that supports graphic applications.

- **5 RGB LEDs**

- **Buzzer**

- **2 Relays**

- **5 tactile buttons**





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BRING YOUR IOT PROJECTS TO THE NEXT LEVEL ADDING SENSORS AND ACTUATORS TO YOUR MKR BOARD

Sensors	IMU & Touch Pads		Pressure		Humidity	
	Temperature		Light	Gesture	Proximity	
Actuators	RGB Display		Buzzer			
	2 Relays (24V)		5 RGB LEDs			
Interfaces	Groove Connectors			I2C		
Voltages	3.3V INPUT	5V OPERATING				
Dimensions	85 x 85 mm					
Extra features	18650 Battery Connector			SD Card Slot		

MKR IoT Carrier Benefits

Easily create a user interface for your IoT projects

Seamless Connectivity: Simply attach any of the MKR family boards to provide the connectivity type of choice to integrate with the Arduino IoT Cloud

Cable or battery powered for standalone projects:

- Micro-USB cable (not provided)
- 18650 battery - recharges automatically with the micro-USB connector (not provided)

Visual display - Rounded OLED Color Screen



Arduino MKR IoT Carrier overview

