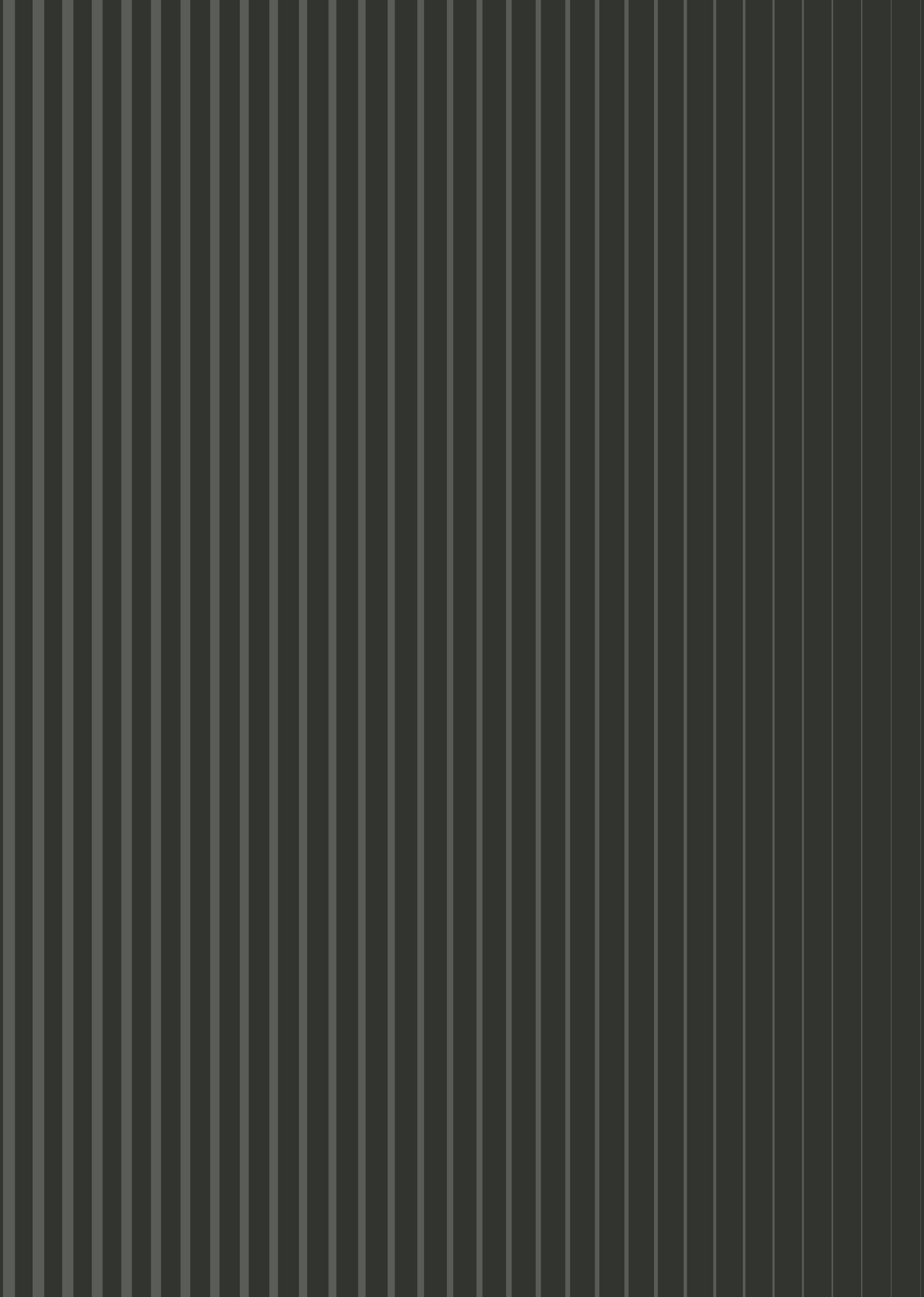




ARDUINO . CC / PRO

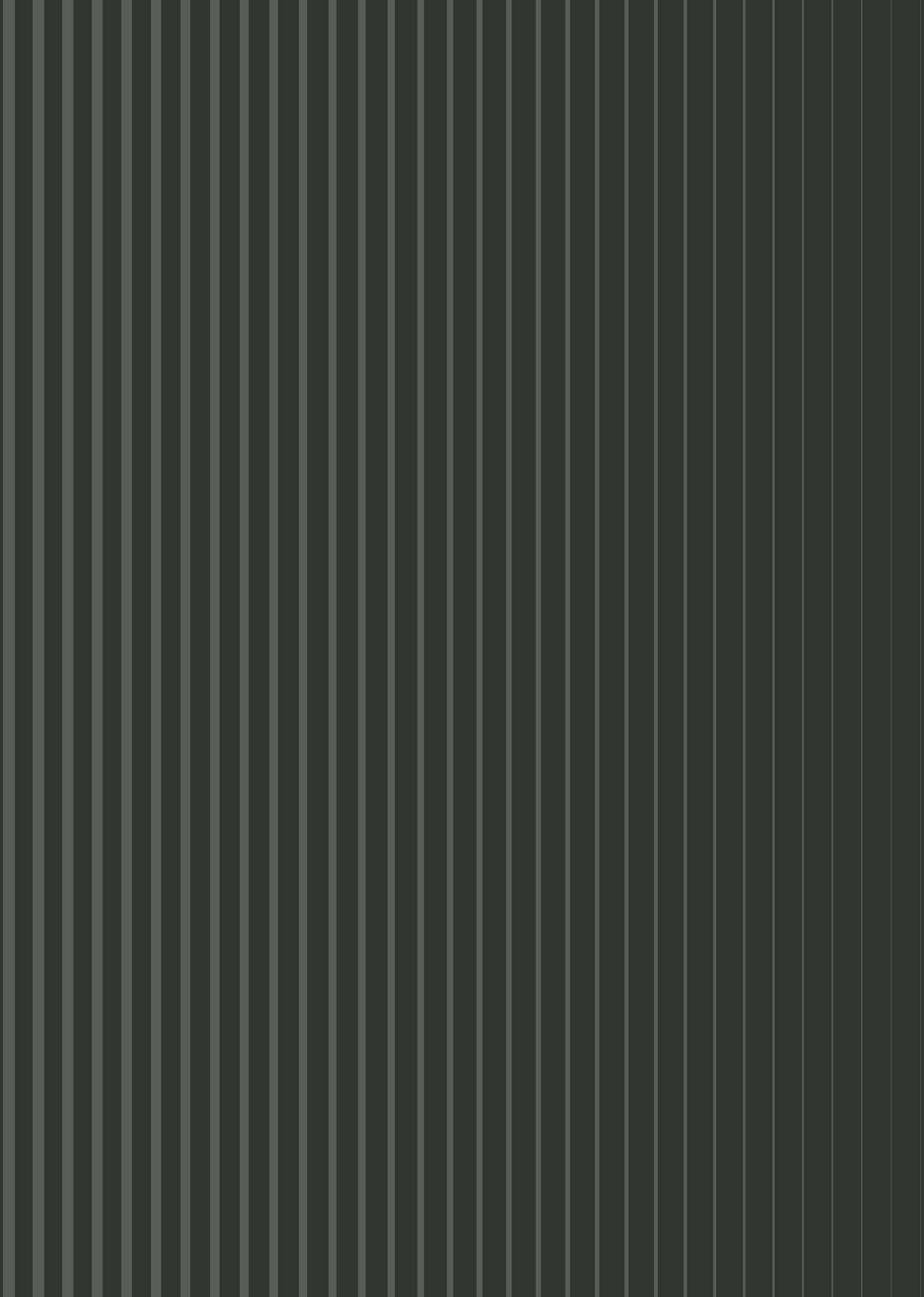
ARDUINO PRO®

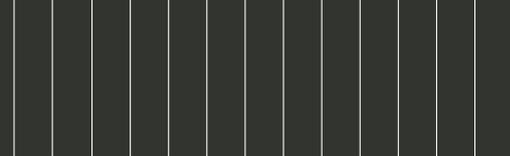




# TABLE OF CONTENTS

5	<b>Arduino Pro</b>
9	<b>Software</b>
15	<b>Arduino Portenta Family</b>
17	<b>Arduino MKR Family</b>
25	<b>Arduino Nano Family</b>
27	<b>Arduino Lora® Pro Gateway</b>
29	<b>Arduino Partnerships</b>
31	<b>Contacts</b>





ARDUINO<sup>®</sup>PRO

AN UNCONVENTIONALLY  
SIMPLE PATH TO  
IOT SUCCESS



## WHY PRO?

Millions of users and thousands of companies worldwide use Arduino as an innovation platform. Arduino has drawn on this experience in frictionless design to enable enterprises to quickly and securely connect remote sensors to business logic within one **simple IoT application development platform**.



### BE PART OF THE WORLD'S LEADING INNOVATION COMMUNITY

With over 30 million Arduino users worldwide including thousands of companies, finding developers with Arduino skills or answers to questions is made simple.



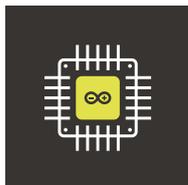
### SECURE AND SCALABLE AS STANDARD

Built on Arm® Pelion™ technology, the latest generation of Arduino solutions brings users simplicity of integration and a scalable, secure, professionally supported service.



### OPEN-SOURCE PEACE OF MIND

Open-source and open-standards means flexibility in deployment and freedom from vendor lock-in, with code which has been proven in-use by millions of users.



### POWERFUL BOARDS FOR INDUSTRIAL CONTROL, ROBOTICS AND ON-DEVICE AI

The Arduino Portenta H7 with a dual core Arm® Cortex®-M7 and M4 at 400MHz is capable of running Arduino, Javascript, and Python making it accessible to a broad audience of developers.



### CUSTOMIZED LOW-POWER IOT HARDWARE READY FOR ANY IOT APPLICATION

32-bit Arm® performance combined with battery management, on-board crypto-authentication chips and certified comms options spanning WiFi, BLE, LoRa®, LTE Cat-M and NB-IoT.

Build custom IoT nodes or bridge to existing RS-485, CAN and Ethernet systems with stackable sensor shields and relay / motor carriers.

## WHY PRO?

### **SIMPLIFY AND ACCELERATE YOUR IOT DEPLOYMENT WITHOUT THE NEED FOR EXPENSIVE CONSULTANTS**

No matter how large or small your business, Arduino Pro are ready to work with you to transform your business:

**SMEs and startups with physical products** looking to add digital connectivity to their device.

**Enterprises aspiring to transform their businesses** from traditional selling to a subscription-based model with new IoT-based revenue streams.

**Production facilities looking to improve efficiency** through monitoring, control and analysis of fields, factories, or equipment.

**Existing R&D users within larger enterprises** wishing to transfer their Arduino prototypes to larger volume field trials or initial production runs.

Don't worry if your business lacks the specialized skills or you've been deterred by the complex, slow, and expensive integration process conventional IoT often requires.

Arduino Pro is here to support professionals pushing for change, we work closely with customers on all aspects of the problem: hardware, firmware, connectivity, dashboard, data visualizations, algorithms, and connection to their existing business logic. Bringing them together as a complete low-code IoT application development platform, making digital transformation possible for companies in simple, realistic, and measurable steps.

## ARDUINO PRO VERTICALS

Developers, engineers, and professionals have successfully embedded Arduino into a wide variety of IoT applications to solve real-life problems:

### ROBOTICS

Automation is just around the corner with Arduino. Interaction with different kinds of robots is fast and easy – mix security sensors, vision recognition and create autonomous robots.

### SMART CITIES

Connect environmental sensors to the Arduino IoT Cloud and create an efficient grid to help citizens live in a better world. Quick and simple to deploy, start receiving data from all types of sources – give dustbins, trees, and streets a voice!

### SMART HOME AND OFFICE

Improve the quality of life in the home and at the office. Arduino hardware and software can be used to measure, analyse, and control multiple features for energy conservation, well being and security.

### AUTOMOTIVE

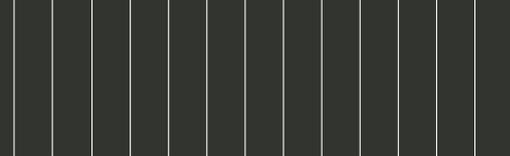
Monitor and track off road vehicles, cranes and other specialized vehicles. Add a layer of control and provide predictive maintenance to reduce cost and improve business continuity.

### SMART INDUSTRY

Monitor, detect, analyse, and decide. Discover how Arduino can help industry to become smart, efficient, and profitable. Add AI to the decision process to improve the availability and performance of machinery.

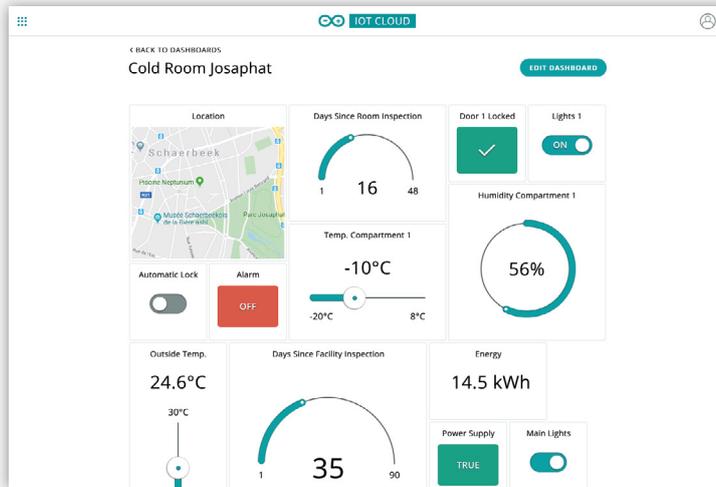
### SMART AGRICULTURE

From livestock tracking to smart farming, irrigation monitoring, and control, Arduino is easy to interface and program. Create vertical applications and add data sharing to your analytics and apps to reduce waste and improve yields.



**ARDUINO**  
**SOFTWARE**





## ARDUINO PRO IOT CLOUD

**Arduino IoT Cloud is a simple, secure way to connect remote sensors to business applications using environment familiar to millions of users.**

Monitor and control your devices using the widget-based dashboard, connect live sensor data to a spreadsheet, automate alerts using webhooks, or even design a custom application using the API. Arduino IoT Cloud brings together the best worlds – frictionless development and a secure, scalable service.

As a Pro customer we encourage you to request a quote with our representatives.

### PRICING

Arduino IoT Cloud (WiFi, LoRa®)

	Free plan	Maker plan	Pro plan
Cost (excl. tax)	Free	\$6.99 / month	Contact us
Arduino devices (e.g. MKR, Portenta)	1	5	100+
Other devices (e.g. Raspberry Pi, ESP8266)		✓	✓

### PRICING

Arduino IoT Cloud (Cellular SIM included)

Per device (5MB cellular data per month included)	\$1.50 / month
---	----------------

### CONNECT, MANAGE, AND MONITOR

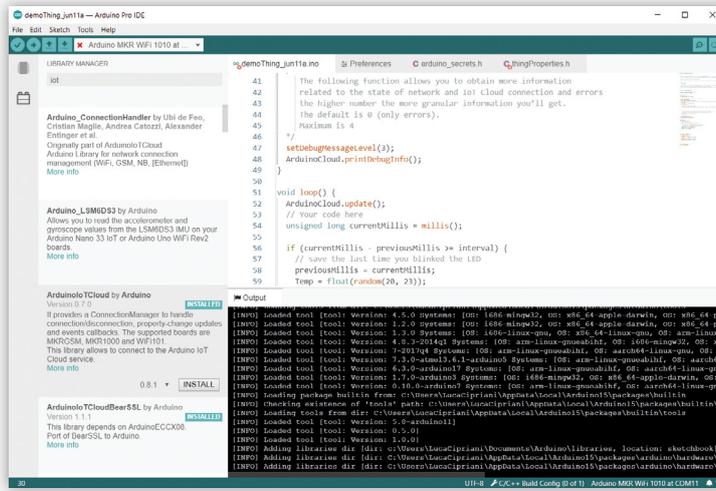
With the Arduino IoT Cloud web app on desktop or mobile you can quickly connect, manage, and monitor your devices from anywhere in the world. Arduino IoT Cloud will also automatically create the code to program your device with – just add a couple of lines to customize it how you want. If you're new to Arduino, don't worry, there's example code for hundreds of sensors and actuators.

### BUSINESS LOGIC

Stream sensor data to a spreadsheet, database, or automate alerts and actions using simple webhooks. Examples for connecting to Google Spreadsheets, Amazon Alexa, and many more third party services are available. Developers can also create custom apps using Arduino IoT Cloud APIs.

### SECURITY

Arduino IoT Cloud uses best practices without you having to worry about the details. All IoT device communications to the cloud use the industry standard SSL protocol for encryption. Arduino MKR and Arduino Portenta board families have on-board crypto-authentication chips and are further secured using X.509 certificate-based authentication.



## ARDUINO PRO IDE

The simplicity of Arduino's IoT device development tools has made them the most popular in the world. From low-code cloud based development tools to a fully-featured professional IDE, Arduino has the right tools for you.

### ARDUINO CREATE WEB EDITOR

This web app is the quickest way to get started developing for Arduino devices today – with boards and libraries available without needing to install them. When you add a device in the Arduino IoT Cloud it auto generates code and directs you too Arduino Create to compile and program your devices.

### ARDUINO IDE

The simplicity of the classic Arduino IDE has made it one of the most popular in the world – with over 15 millions downloads per year.

### ARDUINO PRO IDE (BETA)

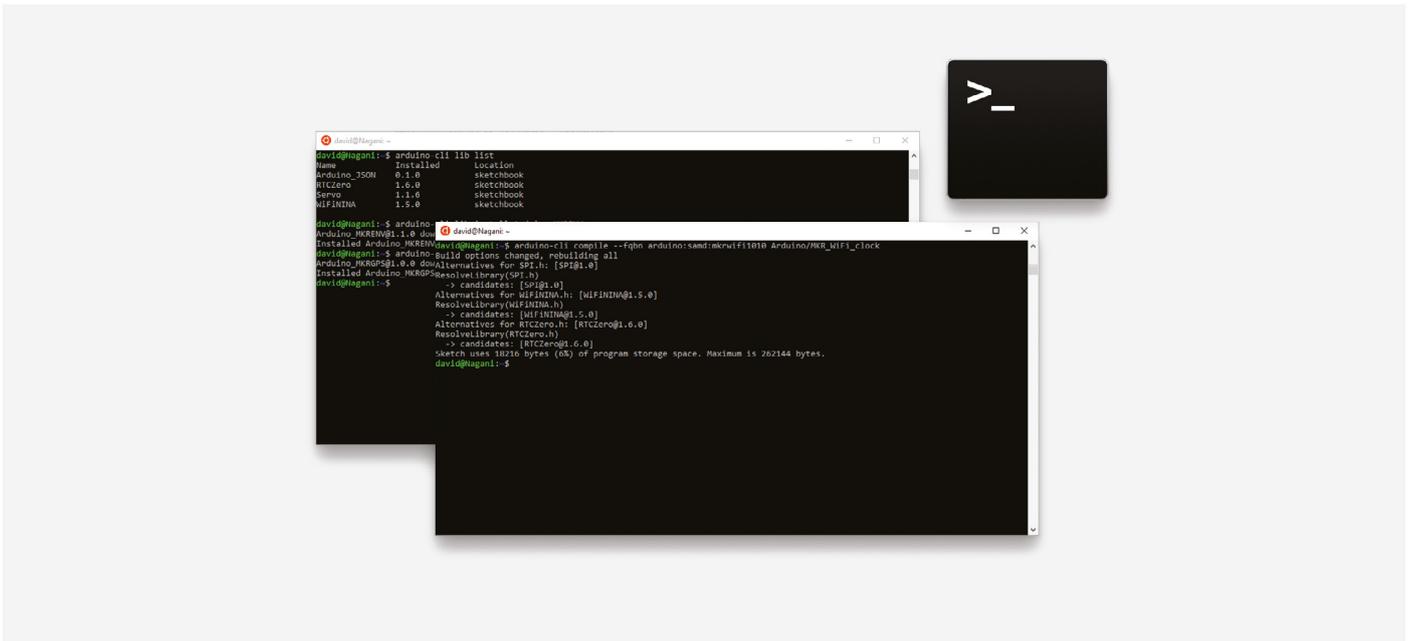
A new enhanced version with features to appeal to the more advanced developers while retaining continuity with the classic Arduino IDE.

Available in Windows, Mac OS X, and Linux64 versions. This early release is for beta testers and not yet recommended for production use.

[GITHUB.COM/ARDUINO/  
ARDUINO-PRO-IDE/RELEASES](https://github.com/arduino/arduino-pro-ide/releases)

### NEW FEATURES INCLUDE:

- MODERN FULLY FEATURED DEVELOPMENT ENVIRONMENT
- DEBUGGER: SET BREAKPOINTS, VIEW TRACE, STEP THROUGH EXECUTION, AND MORE
- DUAL MODE: CLASSIC ARDUINO LOOK AND PRO (FILE SYSTEM VIEW)
- DESIGNED FOR DEVELOPING LARGER, MULTI-FILE, REPOSITORY-BASED PROJECTS
- OPEN TO THIRD PARTY PLUG-INS AND BOARDS
- SUPPORT FOR ARDUINO, PYTHON, AND JAVASCRIPT CODE
- NEW BOARD MANAGER, LIBRARY MANAGER, AND SERIAL MONITOR
- GIT INTEGRATION



## ARDUINO CLI

Designed for power users; everything you need from the command line. Arduino CLI is a single binary providing a builder, boards and library management, device programming, and much more.

Arduino CLI allows you to include Arduino in your Makefile or integrate with Atom, Eclipse, Emacs, Vim, VSCode, or whatever development flow you prefer.

### PROVEN IN USE

Arduino CLI is the backbone of the Arduino Create Web Editor serving over a million users.

### SUPPORTED PLATFORMS

You can run Arduino CLI on both ARM® and Intel® (x86, x86\_64) architectures. This means you can install Arduino CLI on a Raspberry Pi or on your servers, and use it to compile Sketches targeting the board of your choice.

### GETTING STARTED

You can find documentation, source code and binaries downloads at: [GITHUB.COM/ARDUINO/ARDUINO-CLI](https://github.com/arduino/arduino-cli)

Arduino CLI is open source but companies wishing to incorporate it in end products can also contact us for a commercial license.

### EXAMPLE USE

With **Arduino CLI** you can install project dependencies with just one command:

```
arduino-cli lib install "WiFi101" "WiFi101OTA"
```

**Arduino CLI** can also output JSON for easy parsing by other programs:

```
arduino-cli --format json lib search wifinina | jq
```

```

{
  "libraries": [
    {
      "Name": "WiFiNINA",
      "Author": "Arduino",
      "Maintainer": "Arduino <info@arduino.cc>",
      "Sentence": "Enables network connection (local and Internet) with the Arduino MKR WiFi 1010, Arduino MKR VIDOR 4000 and Arduino UNO WiFi Rev.2.",
      "Paragraph": "With this library you can instantiate Servers, Clients and send/receive UDP packets through WiFi. The board can connect either to open or encrypted networks (WEP, WPA). The IP address can be assigned statically or through a DHCP. The library can also manage DNS.",
      "Website": "http://www.arduino.cc/en/Reference/WiFiNINA",
      "Category": "Communication",
      ...
    }
  ]
}

```

## ARDUINO CONNECTIVITY



### To make cellular IoT connectivity even simpler Arduino introduced SIM plans for easy, global mobile IoT connectivity for your Arduino IoT Cloud projects.

To complement this, the Arduino MKR family offers a range of microcontroller boards with integrated connectivity options including the Arduino MKR 1500 – which features 5G ready LTE Cat-M, and NB-IoT support.

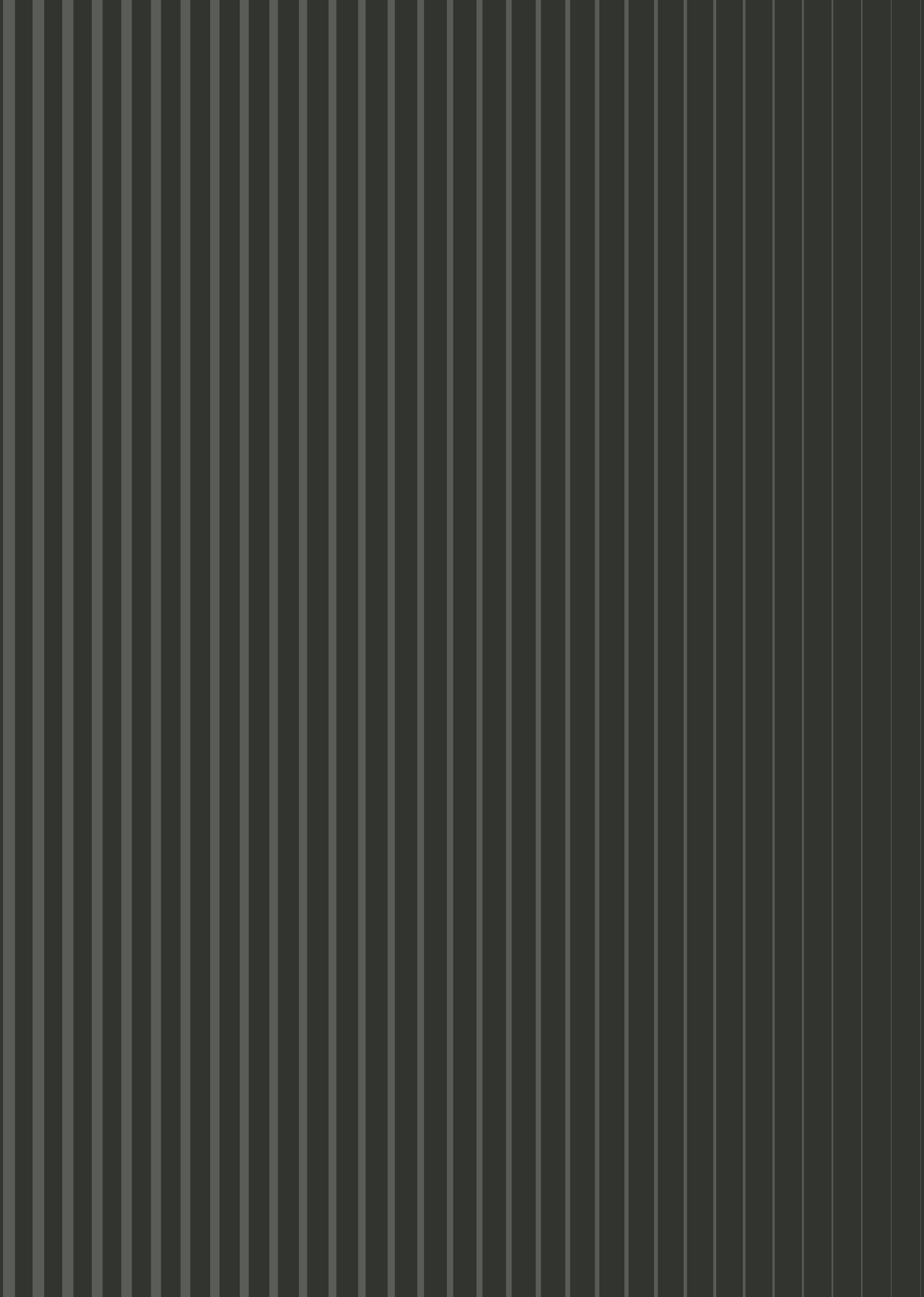
Arduino SIM offers the simplest path to mobile IoT device development. The cellular service has a global roaming profile; meaning a single Arduino SIM can be used in over 100 countries worldwide with just one simple data plan.

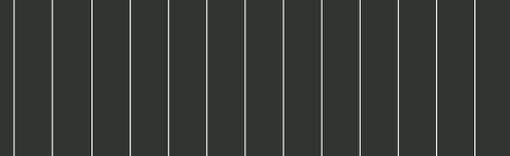
The Arduino SIM platform is built on Arm® Pelion™ Connectivity Management giving a solid foundation for users needing to scale from a single to large numbers of devices in the future.

Arduino SIM comes with 10 MB of data free for the first 90 days, after that it's one simple subscription at \$1.50 USD per device monthly with 5 MB data included each month. Please note that Arduino SIM is designed for IoT data and connects via the Arduino IoT Cloud only.

For more info visit:

[STORE.ARDUINO.CC/DIGITAL/SIM](https://store.arduino.cc/digital/sim)

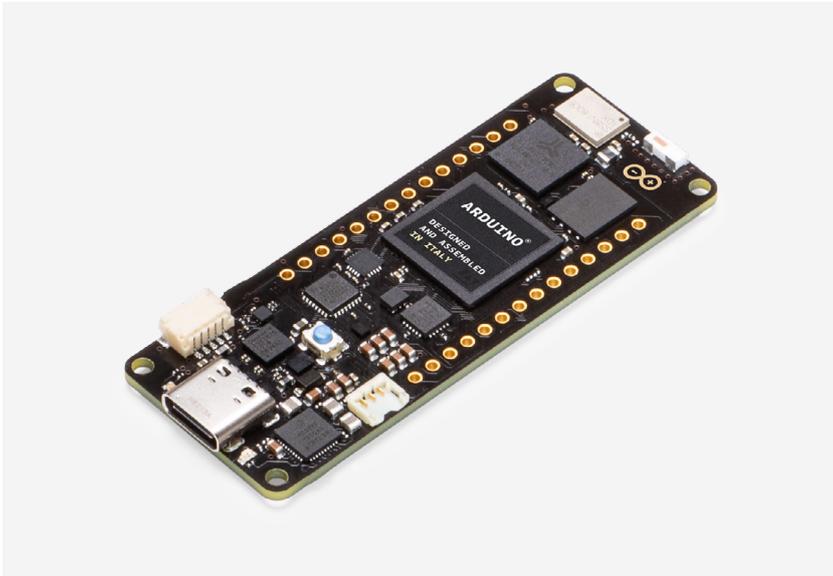




**ARDUINO**  
**PORTENTA**  
**FAMILY**



## ARDUINO PORTENTA H7



PROGRAM IT WITH HIGH-LEVEL LANGUAGES AND AI WHILE PERFORMING LOW-LATENCY OPERATIONS ON ITS CUSTOMIZABLE HARDWARE.

For more info visit:  
[STORE.ARDUINO.CC/PORTENTA-H7](https://store.arduino.cc/portenta-h7)

**Portenta H7** simultaneously runs high level code along with real time tasks. H7's main processor is a dual core unit made of a Cortex® M7 running at 480 MHz and a Cortex® M4 running at 240 MHz. The two cores communicate via a Remote Procedure Call mechanism that allows calling functions on the other processor seamlessly.

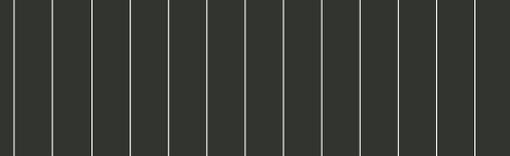
Both processors share all the in-chip peripherals and can run:

- ARDUINO SKETCHES ON TOP OF THE MBEDOS
- NATIVE MBED APPLICATIONS
- MICROPYTHON / JAVASCRIPT VIA AN INTERPRETER
- TENSORFLOW LITE

The onboard wireless module allows to simultaneously manage WiFi and Bluetooth connectivity. The WiFi interface can be operated as an Access Point, as a Station or as a dual mode simultaneous AP/STA and can handle up to 65 Mbps transfer rate. Bluetooth interface supports Bluetooth Classic and BLE.

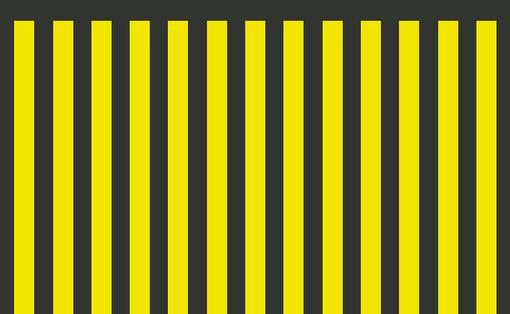
The Portenta H7 follows the Arduino MKR form factor, but enhanced with the Portenta family 80 pin high-density connector.

MAIN PROCESSOR	STM32H747			
DISPLAY CONNECTOR	MIPI DSI HOST & MIPI D-PHY TO INTERFACE WITH LOW-PIN COUNT LARGE DISPLAYS			
OPERATIONAL TEMPERATURE	-40 °C TO +85 °C (EXCL. WIRELESS MODULE)		-10 °C TO +55 °C (INCL. WIRELESS MODULE)	
USB-C	HOST / DEVICE	DISPLAYPORT OUT	HIGH / FULL SPEED	POWER DELIVERY
CAMERA INTERFACE	8-BIT		UP TO 80 MHZ	
HIGH DENSITY CONNECTORS	TWO 80 PIN CONNECTORS WILL EXPOSE ALL OF THE BOARD'S PERIPHERALS TO OTHER DEVICES			
MKR HEADERS	USE ANY OF THE EXISTING INDUSTRIAL MKR SHIELDS ON IT			



ARDUINO

MKR FAMILY



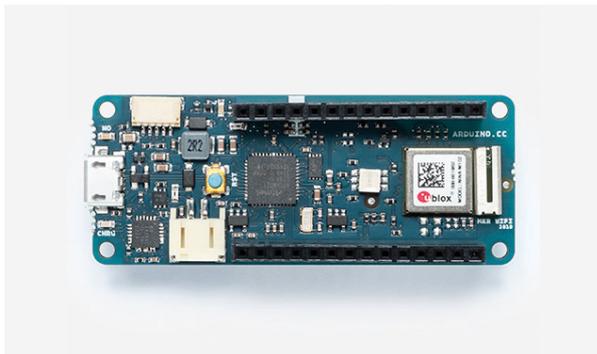
## ARDUINO MKR FAMILY

	MKR WIFI 1010	MKR FOX 1200	MKR WAN 1310
START LEVEL	Beginner	Intermediate	Intermediate
CONNECTIVITY	WiFi (ESP32), BLE	Sigfox	LoRa
PROGRAMMING METHODS	Arduino, Arduino PRO IDE, CLI	Arduino, Arduino PRO IDE, CLI	Arduino, Arduino PRO IDE, CLI
IDEAL FOR	IoT, getting Started with IoT, smart home, home automation, healthcare	IoT, agriculture, smart cities, environmental monitoring	IoT, agriculture, smart cities, environmental monitoring, industry 4.0
AT A GLANCE	Entry point to IoT. Coverage on short range distances, perfect indoor with WiFi connection	Free access to Spot'it geolocation service, coverage on long range distance, perfect for remote and rural areas covered by Sigfox. Low power consumption	Coverage on long range distances, dense urban indoor areas, rural regions. Low power consumption
ENCRYPTION, CRYPTO AUTHENTICATION	Yes	Yes	Yes
BASED ON	MCU - Microchip® ATSAMD21 (Arm® Cortex®-M0+ processor), WiFi - u-blox NINA-W102 (ESP32)	MCU - Microchip® ATSAMD21 (Arm® Cortex®-M0+ processor), Sigfox - ATA8520	MCU - Microchip ATSAMD21 (Arm® Cortex®-M0+ processor), LoRa® - Murata CMWX1ZZABZ"
CERTIFICATIONS	CE, FCC, RoHS Compliant	CE, FCC, RoHS Compliant	CE, FCC, RoHS Compliant

MKR GSM 1400	MKR NB 1500	MKR VIDOR 4000
Intermediate	Intermediate	Advanced
GSM	Narrowband IoT	WiFi (ESP32), BLE
Arduino, Arduino PRO IDE, CLI	Arduino, Arduino PRO IDE, CLI	Arduino IDE, Create, visual programming editor (TBD), most common HDLs, Arduino PRO IDE, CLI
IoT, cellular networks, automotive, home automation, smart home, wearable	IoT, agriculture, fleet management, smart home	Industry 4.0, home automation, video, aerospace, communications
3G/4G, HSPA, it is ideal for automotive and transport applications, among other fields such as: wearables, smart cities and smart home and buildings.	Coverage on long range distances, perfect for remote and rural areas. Low power consumption	Ease-to-use of Arduino applied to FPGA, flexibility, high performance, ideal also for audio and video processing
Yes	Yes	Yes
MCU - Microchip® ATSAMD21 (Arm® Cortex®-M0+ processor), GSM - u-blox SARA-U201	MCU - Microchip® ATSAMD21 (Arm® Cortex®-M0+ processor), NB-IoT - u-blox SARA-R410M	MCU - Microchip® ATSAMD21 (Arm® Cortex®-M0+ processor), FPGA - Intel Cyclone 10CL016, WiFi - u-blox NINA-W102 (ESP32)
CE, FCC, RoHS Compliant	CE, FCC, RoHS Compliant	CE, FCC, RoHS Compliant

## ARDUINO MKR FAMILY

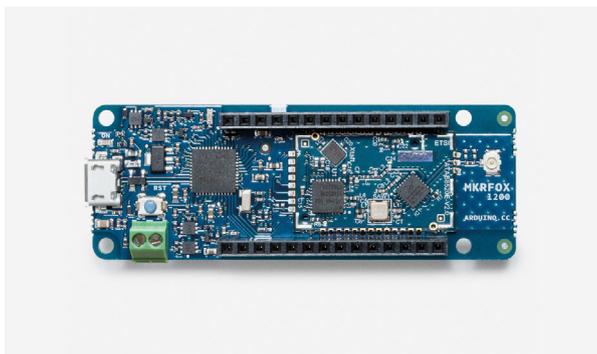
A family of boards and shields for engineers and developers to easily add wireless connectivity along with other functionalities to their applications in a secure, powerful and a cost efficient manner



### ARDUINO MKR WIFI 1010

The basics to build secure WiFi and Bluetooth applications.

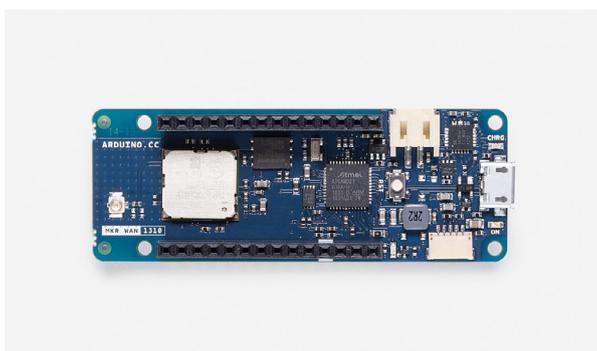
For more info visit:  
[STORE.ARDUINO.CC/MKR-WIFI-1010](https://store.arduino.cc/mkr-wifi-1010)



### ARDUINO MKR FOX 1200

Add Sigfox connectivity to IoT solutions with low power consumption.

For more info visit:  
[STORE.ARDUINO.CC/MKR-FOX-1200](https://store.arduino.cc/mkr-fox-1200)



### ARDUINO MKR WAN 1310

Send data securely over LoRaWAN™ with minimal power consumption.

For more info visit:  
[STORE.ARDUINO.CC/MKR-WAN-1310](https://store.arduino.cc/mkr-wan-1310)



## ARDUINO MKR GSM 1400

GSM/3G board to get your products online worldwide in seconds.

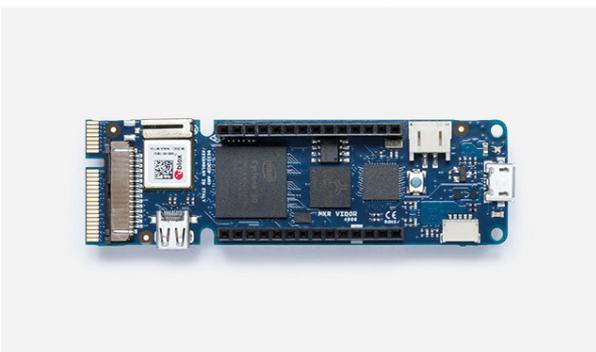
For more info visit:  
[STORE.ARDUINO.CC/MKR-GSM-1400](https://store.arduino.cc/mkr-gsm-1400)



## ARDUINO MKR NB 1500

Implement inexpensive, large-coverage solutions over Narrowband IoT.

For more info visit:  
[STORE.ARDUINO.CC/MKR-NB-1500](https://store.arduino.cc/mkr-nb-1500)



## ARDUINO MKR VIDOR 4000

Build FPGA-powered solutions connected via WiFi or BLE.

For more info visit:  
[STORE.ARDUINO.CC/MKR-VIDOR-4000](https://store.arduino.cc/mkr-vidor-4000)

## ARDUINO MKR SHIELDS AND CARRIERS

According to Arduino's naming standards, a carrier board is one that, when connected to a microcontroller board, happens to be larger than the microcontroller board itself. In contraposition, a shield is a board that, when connected to the microcontroller board, it is smaller than that one.

Similarly to the Shields, the Carrier boards are circuit boards plugged at the bottom of the MKR boards to extend their features, to add special connectors or functionalities to the board.

### ARDUINO MKR MOTOR CARRIER

Connect several motors and sensors for your mechatronics applications.

For more info visit:

[STORE.ARDUINO.CC/MKR-MOTOR-CARRIER](https://store.arduino.cc/mkr-motor-carrier)

### ARDUINO MKR CONNECTOR CARRIER

Select among a long list of possible add-ons and easily plug them to any MKR board.

For more info visit:

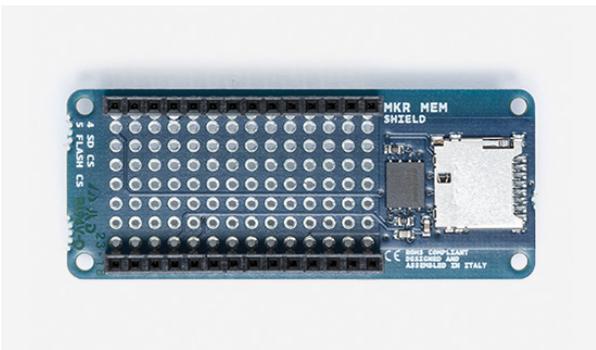
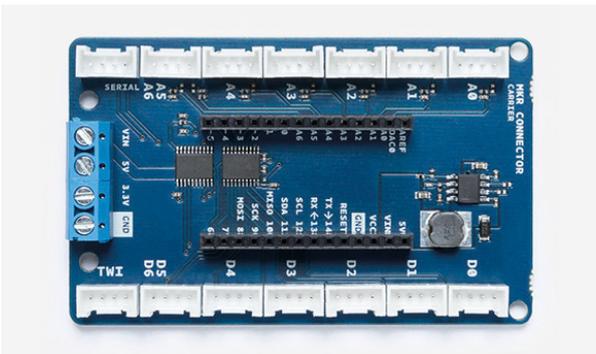
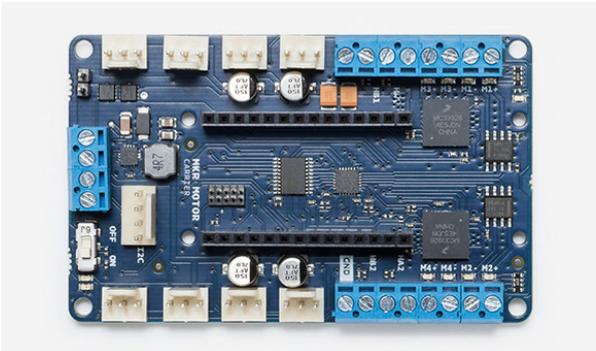
[STORE.ARDUINO.CC/MKR-CONNECTOR-CARRIER](https://store.arduino.cc/mkr-connector-carrier)

### ARDUINO MKR MEM SHIELD

Add Flash memory and microSD storage, implement OTA functionalities.

For more info visit:

[STORE.ARDUINO.CC/MKR-MEM-SHIELD](https://store.arduino.cc/mkr-mem-shield)





## ARDUINO MKR 485 SHIELD

Turn almost any legacy industrial system into an IoT device.

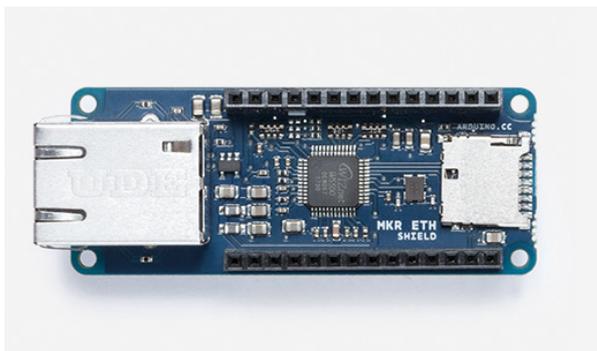
For more info visit:  
[STORE.ARDUINO.CC/MKR-485-SHIELD](https://store.arduino.cc/mkr-485-shield)



## ARDUINO MKR CAN SHIELD

Communicate over a CAN bus and build Arduino-powered automotive solutions.

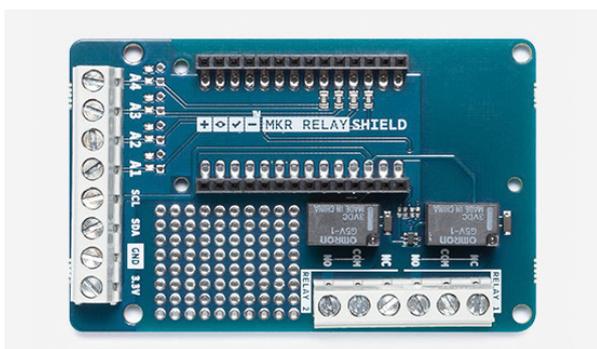
For more info visit:  
[STORE.ARDUINO.CC/MKR-CAN-SHIELD](https://store.arduino.cc/mkr-can-shield)



## ARDUINO MKR ETH SHIELD

Connect your board to an Ethernet network and build servers and clients.

For more info visit:  
[STORE.ARDUINO.CC/MKR-ETH-SHIELD](https://store.arduino.cc/mkr-eth-shield)



## ARDUINO MKR RELAY PROTO SHIELD

Safe screw terminals for your sensors and relays to control high-voltage devices.

For more info visit:  
[STORE.ARDUINO.CC/MKR-RELAY-PROTO-SHIELD](https://store.arduino.cc/mkr-relay-proto-shield)

## ARDUINO MKR SHIELDS AND CARRIERS



### ARDUINO MKR ENV SHIELD

Collect environmental data, such as temperature, humidity, atmospheric pressure and UV radiation.

For more info visit:  
[STORE.ARDUINO.CC/MKR-ENV-SHIELD](https://store.arduino.cc/mkr-env-shield)



### ARDUINO MKR RGB SHIELD

Visualize information through this RGB display.

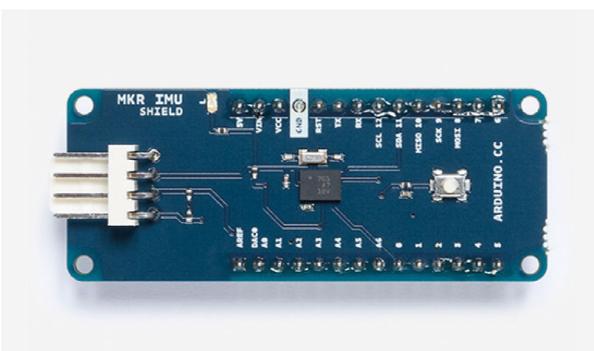
For more info visit:  
[STORE.ARDUINO.CC/MKR-RGB-SHIELD](https://store.arduino.cc/mkr-rgb-shield)



### ARDUINO MKR THERM SHIELD

Capture temperature information from type K and DS18Bxx thermocouples.

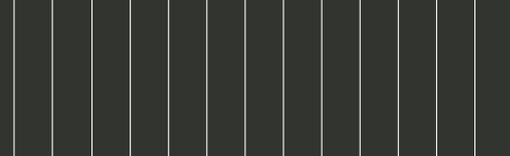
For more info visit:  
[STORE.ARDUINO.CC/MKR-THERM-SHIELD](https://store.arduino.cc/mkr-therm-shield)



### ARDUINO MKR IMU SHIELD

Industry-rated 9 axis IMU sensor with extra I2C connector.

For more info visit:  
[STORE.ARDUINO.CC/ARDUINO-MKR-IMU-SHIELD](https://store.arduino.cc/arduino-mkr-imu-shield)

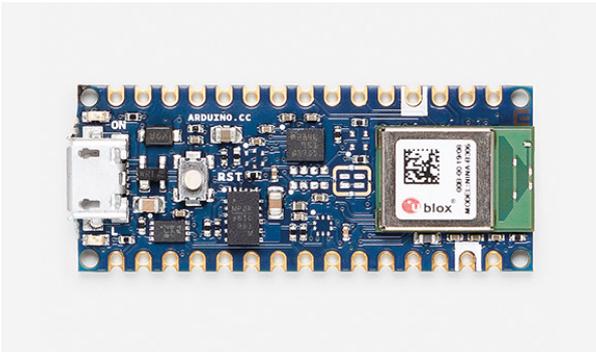


**ARDUINO**  
**NANO**  
**FAMILY**



## ARDUINO NANO FAMILY

Tiny and powerful boards offering the possibility of running embedded machine learning (AI). Including series of embedded sensors and Bluetooth; ideal for wearables, drones, or any design made to last.

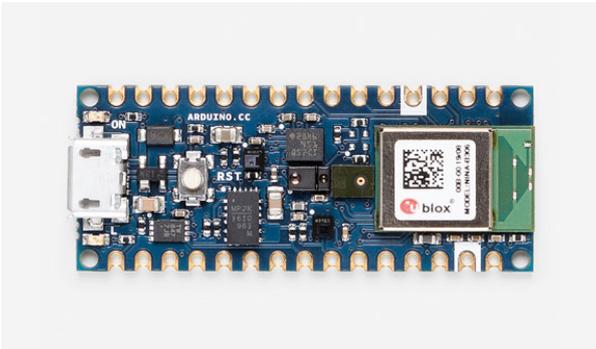


### ARDUINO NANO 33 BLE

Tiny and powerful board that incorporates 9 axis inertial sensor.

For more info visit:

[STORE.ARDUINO.CC/NANO-33-BLE](https://store.arduino.cc/nano-33-ble)



### ARDUINO NANO 33 BLE SENSE

Sense the environment, detect movement, or capture sound without any extra components.

For more info visit:

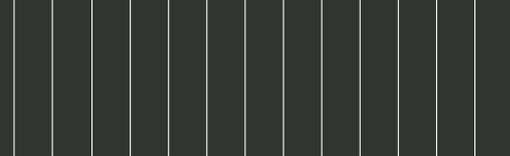
[STORE.ARDUINO.CC/NANO-33-BLE-SENSE](https://store.arduino.cc/nano-33-ble-sense)

The Arduino Nano 33 BLE and Nano 33 BLE Sense are Arduino's 3.3V compatible boards in the smallest available form factor: 45x18mm! They represent an evolution of the traditional Arduino Nano, but featuring a lot more powerful processor, the nRF52840 from Nordic Semiconductors, a 32-bit ARM® Cortex®-M4 CPU running at 64 MHz.

The Arduino Nano BLE comes with an embedded 9 axis inertial sensor, that makes this board ideal for wearable devices, but also for a large range of scientific experiments in the need of short-distance wireless communication.

The Arduino Nano BLE Sense comes with a series of embedded sensors:

- 9 AXIS INERTIAL SENSOR: WHAT MAKES THIS BOARD IDEAL FOR WEARABLE DEVICES
- HUMIDITY, AND TEMPERATURE SENSOR: TO GET HIGHLY ACCURATE MEASUREMENTS OF THE ENVIRONMENTAL CONDITIONS
- BAROMETRIC SENSOR: YOU COULD MAKE A SIMPLE WEATHER STATION
- MICROPHONE: TO CAPTURE AND ANALYSE SOUND IN REAL TIME
- GESTURE, PROXIMITY, LIGHT COLOR AND LIGHT INTENSITY SENSOR : ESTIMATE THE ROOM'S LUMINOSITY, BUT ALSO WHETHER SOMEONE IS MOVING CLOSE TO THE BOARD



**ARDUINO**  
**LORA®**  
**GATEWAY**





## ARDUINO LORA® PRO GATEWAY

### Add new nodes to your Arduino powered LoRaWAN™ secure infrastructure.

Monitor your factory, vehicle fleet, or agricultural site with the LoRa® PRO Gateway. Arduino Pro is a one-stop-shop for all of your LoRa® and LoRaWAN™ needs. Whether inside a large industrial space, at an outdoor agricultural site, or monitoring a fleet of vehicles in a city, the LoRa® PRO Gateway is the easiest way to collect data from and send control commands to your devices.

The LoRa® protocol is the tool of choice when building simple, inexpensive, and easy to maintain wireless infrastructures. Use this kit to deploy your solutions quickly using an existing wired network to ensure a fast connection between your devices and the Arduino IoT Cloud.

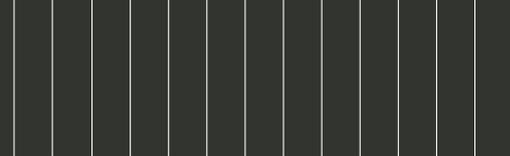
Thanks to its high interference immunity and on-chip end-to-end encryption, LoRa® is the most suitable solution in deployments ranging from tens to thousands of devices. At low level, data is multiplexed through 8 channels using the so-called Listen Before Talk feature that ensures a neglectable collision rate between data packages.

#### QUICK LOOK :

- ASSEMBLY PARTS
- PRODUCT ASSEMBLY GUIDE

For more info visit:  
[STORE.ARDUINO.CC/PRO-GATEWAY](https://store.arduino.cc/pro-gateway)

THIS KIT INCLUDES :	1 Raspberry Pi 3 model B+	1 Fan	1 Micro UFL to SMA Pigtail
	1 Arduino Radio Module Adapter	1 Ethernet cable	1 SMA Antenna
1 Aluminium Enclosure	1 LoRa® Radio module	1 AC power adapter	1 MicroSD card



**ARDUINO**

**PARTNERSHIP**



## PARTNERSHIP PROGRAM: WORKS WITH ARDUINO™

Arduino changed the world by catalysing innovation – in return the Arduino community built entirely new industries including wearables, drones and 3D printers.

**Amazon, Arm®, Bosch, Google, Intel®, Microsoft, and Samsung** are just a few of the companies who have partnered with Arduino.

To expand the Arduino ecosystem and provide partners with the opportunity to market their products to over 30 million active users, Arduino has launched the **Works with Arduino™** program.

### WORKS WITH ARDUINO™

**Validate your design** – the Arduino team will check it works with Arduino.

**Differentiate your products** – display the **Works with Arduino™** program mark on your products and website.

**Raise awareness** – joint marketing to millions of followers on Arduino's Social Media.

**Product feedback to dream of** – Thanks to our open source philosophy, Arduino community users collaborate and contribute to the development of our ecosystem and therefore to the development of your products.

### MARKET YOUR PRODUCT TO OVER 30 MILLION ACTIVE USERS

Partner with Arduino to develop and bring your products to market. Through the **Works with Arduino™** program we will validate your products are compliant with Arduino technologies, and provide access to the millions of Arduino users worldwide working in the Arduino ecosystem.

If you are a start-up or an established company, a maker or a professional developer, the **Works with Arduino™** program is there for you. As long as your product concept is compatible with Arduino and is not a copy or clone of an existing Arduino product, then we are open to assess your idea (under mutual NDA) for inclusion in the program.

### FLEXIBLE APPROACH TO PARTNERSHIP

Choice of revenue models based upon the level of involvement by Arduino.

Varying degrees of service available, from reviewing product design and documentation for compatibility with Arduino, through to organization of manufacturing, packaging, distribution, and sales.

If you are interested in joining the **Works with Arduino™** program please contact: [PRO@ARDUINO.CC](mailto:PRO@ARDUINO.CC)

### KEY BENEFITS:

- LISTING FOR THE PRODUCT'S RELATED LIBRARY AND CODE EXAMPLES ON THE ARDUINO IDE AND CREATE WEB EDITOR
- WORKS WITH ARDUINO™ PROGRAM LOGO TO USE ON THE PRODUCT, PACKAGING, AND MARKETING MATERIALS
- LISTING ON THE ARDUINO STORE AND INCLUSION IN THE LINECARD FOR ARDUINO'S GLOBAL DISTRIBUTION NETWORK
- VISIBILITY ON ARDUINO'S SOCIAL CHANNELS (FACEBOOK, INSTAGRAM, TWITTER, AND LINKEDIN)
- THE INTELLECTUAL PROPERTY OF THE PRODUCT BELONGS TO YOU, THE PROGRAM PARTNER

**GET IN  
CONTACT**

**CONTACT US**

[ARDUINO.CC/PRO](https://www.arduino.cc/pro)

**E-MAIL US:**

[PRO@ARDUINO.CC](mailto:PRO@ARDUINO.CC)



ARDUINO . CC / PRO