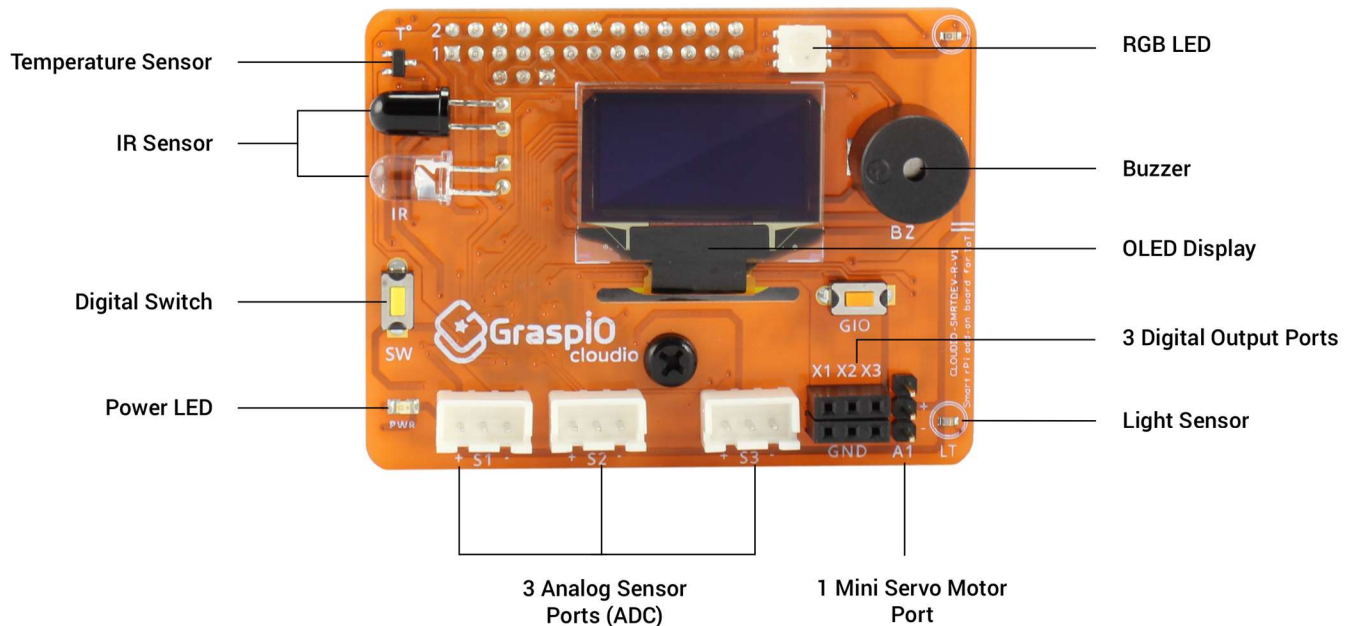


Your Raspberry Pi + Cloudio = **Personal IoT Computer** for Prototyping and Play



HARDWARE:

Cloudio is powered by an Atmel 8bit AVR Atmega32U4 controller to unlock physical computing applications with Raspberry Pi. Works with Raspberry Pi 1/2/3/0/0W. No additional power supply needed, just power on your Raspberry Pi and you're good to go.

- **0.96" OLED Screen**
Display real-time sensor values, custom text with stylized font, and playful emojis.
- **3 ADC Ports (5V) - To interface external sensors**
Connect generic sensors and standard sensors like humidity, door, motion, etc.
- **On-board Sensors - Proximity, Light, Temperature, Switch**
A useful selection of on-board sensors for that perfect out of box IoT experience.
- **3 Digital Output Ports (5V)**
Ideal for breadboard circuits; Connect *relays* for home automation related projects.
- **Mini Servo Motor Port - 5V, 2.5/3.0 Kgf.cm**
Interface an external servo motor to get things moving. Perfect for pan/ tilt, smart lock applications, etc.
- **RGB LED and Buzzer**
Play with light and color; Add visual indicators, audio alerts and alarms to your projects.

PRODUCT OFFERING:

- **GraspiO Studio:** Drag and Drop programming mobile app to unleash the combined powers of Raspberry Pi and Cloudio.
- **GraspiO Cloudio:** A Raspberry Pi add-on with a 0.96" OLED display, Proximity sensor, Light sensor, Temperature sensor, Tactile switch, Mini Servo Motor port, 3 ADC ports for external sensors, 3 Digital Output ports, RGB LED, and Buzzer.
- **GraspiO IoT Cloud:** Unlimited Cloud Service* to connect, program, monitor, and manage Cloudio at scale right from your mobile device - anywhere, anytime.
- **IFTTT:** Connect to Amazon Alexa, Philips Hue, Fitbit, Facebook, Google, and many more to create new experience through applets. Works as both an action and a trigger.

FEATURES:

Cloudio is a Raspberry Pi add-on board with

- Drag and Drop programming interface on iPhone, iPad, Android,
- Unlimited Cloud Service,
- Voice Assistant Capabilities,
 - Speech Recognition and Voice Control:
 - Speech Outputs
- IFTTT Integration,
- Sensor Monitor and Dashboard,
- Custom Notifications with Image and Video,
- One Tap multi-board Upload, and more.

REQUIREMENTS:

- Raspberry Pi SD card (8 GB or higher, class 10 or above)
- GraspiO Studio mobile app



(Compatible with iOS version 10.3 and above; Android version 4.4 and above)

- Power supply (As recommended by Raspberry Pi; more details [here](#))
(For best use of all the peripherals on Cloudio, we recommend a 5V, 2A power supply)
- Wi-Fi network

* A Cloud Call is a traffic based measurement. Any one-way communication between Cloudio and Studio App via IoT Cloud is one call. Cloudio is preloaded with 50,000 free Cloud Calls. Upon completion of 50,000 calls, 100 daily non-cumulative calls are credited to the user's account for life. Cloud Calls plans that require usage above these limits can be purchased via the GraspiO Studio app as per the payment terms outlined therewith.

RESOURCES:

For additional documentation and support, please refer to:

- Getting started:
www.grasp.io/cloudio/qsg
- Mobile app download:
www.grasp.io/app
- FAQs:
www.grasp.io/FAQ
- Resources:
www.grasp.io/cloudio/resources

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