

STEM
Learning
Made Easy

Age 7+



**The Pocket Ninja for
Your Fun Projects**



Introducing the Play Computer

**World's First Playful
Electronic Device
Specially Designed
for Kids**

Play Computer is guided by our philosophy that learning is emotional at heart. Only when a meaningful and relevant topic inspires you it is properly understood and never forgotten.

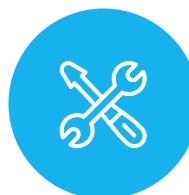
Play Computer comes from a team of makers at Bibox Labs, who have been applauded and recognized for products like Tern, Firepen 3D and many more, which have inspired over 3 million kids in over 850+ schools across the globe.



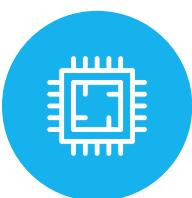
It's Time To Gear Up for the 21st Century



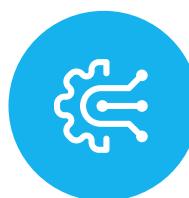
Making Play
An Important
Part Of
Learning



Help Kids
Build A
Creator
Mind-Set



Get Kids Aligned With
Emerging Technologies
like **Robotics, A.I.,
IoT and Coding**



The Future is
Phygital:
Physical And
Digital



Build
Real-World
Problem
Solutions



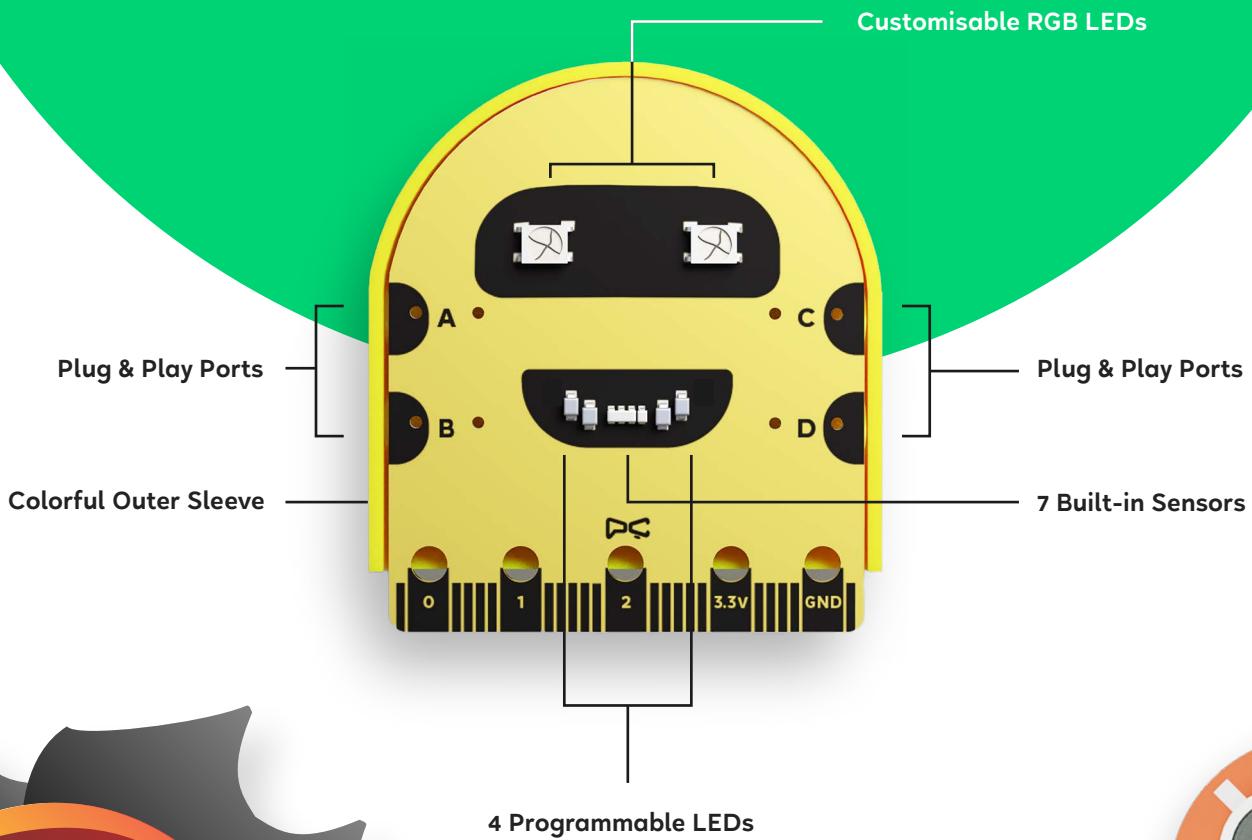
Play Community

Being connected to a bunch of like-minded but unique innovators lets them exchange knowledge on their areas of interest. It also lets them learn by asking for help in their projects and offering it to those who require it. This builds a sense of community where they understand the importance of working together.



Explore The Hardware

Kids are naturally curious. Infusing this innate curiosity with the constant practice that they get from continuously experimenting with Play Computer accelerates their creativity.



HARDWARE



Processor

Microcontroller	:	Xtensa single/dual-core 32-bit LX6
Clock Frequency	:	160/240 MHz
SRAM	:	520 KB
ROM	:	448 KB
External SPI ROM	:	4 MB
RTC Memory	:	16 KB
GPIO (total)	:	34
SPI/I2C/I2S/UART	:	1/1/2/3
ADC	:	18 (12-bit)
DAC	:	2 (8-bit)
PWM	:	8



Connectivity

Wi-Fi	:	802.11 b/g/n
Bluetooth	:	BT 4.2 BLE
USB	:	Type - C



Input Features

Temperature sensor	:	1
Gesture Sensor	:	1
Color Sensor	:	1
Distance Sensor	:	1
Light Sensor	:	1
Touch Sensor	:	3
Microphone	:	1



Output Features

RGB LED (WS2812B)	:	2
White LED	:	4
Buzzer	:	1

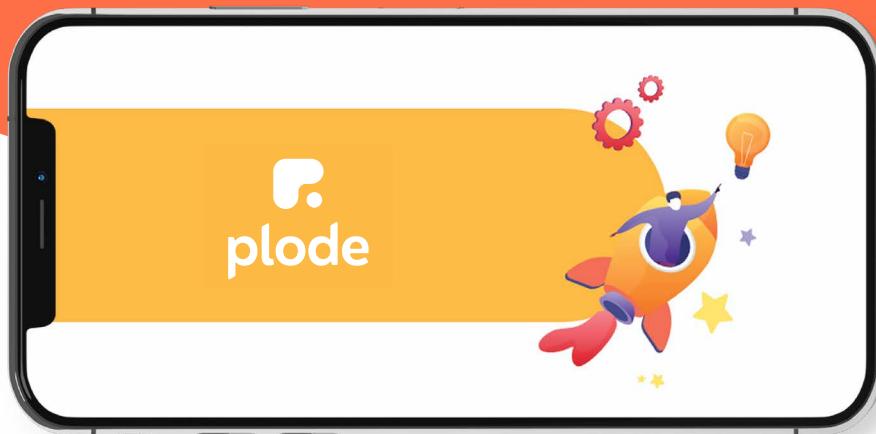


Ports

Port Jacks	:	4 (8 I/O lines)
Edge Connectors	:	16 I/O lines



Go from Idea to Prototype and Testing within minutes



using the 4 -tiered Learning Experience.

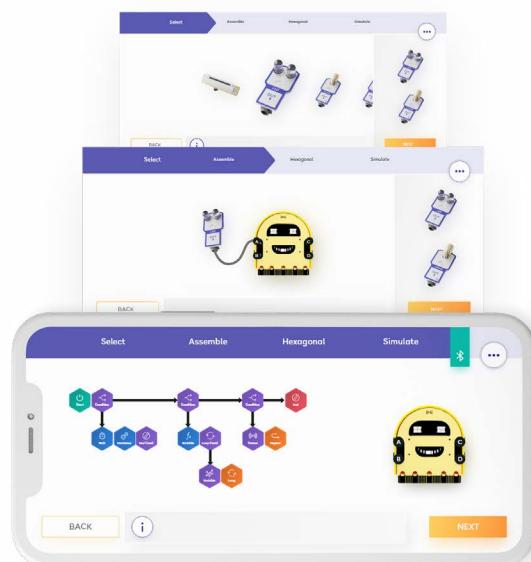
With Play Computer we've made a revolutionary mobile first app which lets kids create programs with the tap and build command structure. Programs can even be tested before being deployed, all from the app itself.

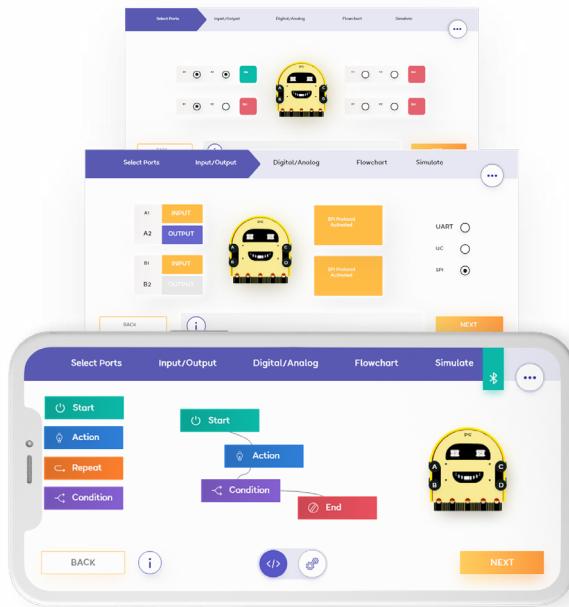
Available On



Tap and Build Programming

If you are looking to just get into coding, our project-based programming focuses on imbibing the critical-thinking skills that are essential for every great coder. This will be a minimalist approach that won't dwell on the technicalities of electronics, but rather teaches you to select ideal components, assemble them and program them using visual elements.



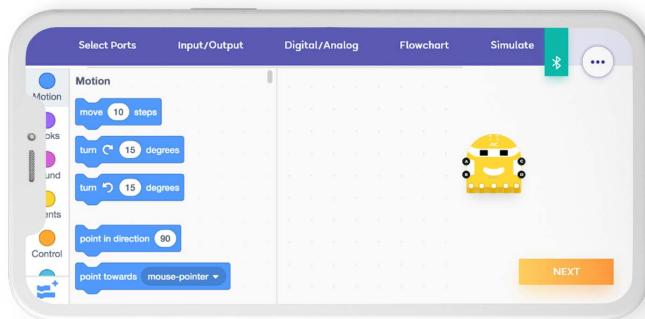


Open Flowchart Programming

In this level, you will probe a bit deeper into the technicalities. You will also be equipped to configure the ports as well as program it. Furthermore, you will understand the concepts of open-ended programming and parallel programming.

Block-based Programming

This level utilises the powerhouse that is Scratch. Closely resembling textual programming, you will learn to create programs involving variables and complex mathematical expressions.



Pure Textual Programming

In the final step to becoming a full-fledged coder, all your skills will be honed and sharpened through a detailed and well laid-out course covering the most sought-after languages of today; C and Python.

Start off with 30 Free Project Tutorials



Power Me ON

Make Me Smile

Make Me Talk

Make Me Express Emotions

Ninja Mode

Switch Lamp

Aura Lamp

Touch Switch

Evening Lamp

Wake Up Rooster

2-mins Maggi Timer

Habit Reminder

Buzz Wire Game

Piano

Portable Fan

Brainy Fan

Gesture Lamp

Pet Feeder

Light Off Reminder

Tetris

Dancing Fitness Game

Voice From Your Plants

Colour Cards

Fruit Ripening Detector

Digital Noise Meter

Basketball Hoop Counter

Footfall Detector

Voice Control Automation

Chocolate Spiral

Emotion Detection

Visit www.playcomputer.org/projects to get started

Get Creating!



Basic Kit

Play Computer x1
30 Free Project Tutorials
Certificate on Completion

Starter Kit

Play Computer	x1
USB Type - C cable	x1
USB C to Micro Connector	x1
Alligator Connecters	x4
LED 2C module	x2
Button 2C module	x1
Mini Servo Motor	x1
Copper Tape	x1
Port jack	x2
Port cable	x2
Battery Power Bank	x1
DIY Skins(2 Superhero's + 1 Make Your Own Superhero skin)	x3

30 Free Project Tutorials
Certificate on Completion



Lifetime Access of 30 Tutorial Classes

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