

CyberPi Series User Manual

Describes the features, electronic parts, and packages of CyberPi series products

Foreword

About the CyberPi Series

Structural Characteristics

Electronic Characteristics

Programming Software

Programming CyberPi on Chromebook

Related Education System

Electronic Parts and Components

Main Control Board

CyberPi

Extension Boards

Pocket Shield

mBuild Modules

Functions and Features

Getting Started

Light

LED Driver

Accessories

Wireless Adapter

Bluetooth Compatibility

Water Pump

9g Micro Servo (Metal Gear)

Fan

Mini LED Strip and Ring

Classic Example Programs

CyberPi Series Packages and Extensions

CyberPi Operation Guide

[Pocket Shield Operation Guide](#)

[Operation Guide of the "Display +" Extension for CyberPi](#)

[CyberPi Innovation Add-on Kit](#)

[Open-source Materials](#)

[Iterations](#)

[Iteration 003](#)

[CyberPi Warranty Assurance](#)

[Contact Us](#)

[Join Us](#)

[Change History](#)

Foreword

Thank you for choosing CyberPi series products!

The CyberPi series includes a powerful main control board, abundant and optimized structural and electronic parts, which can be used in multiple education scenarios including large-class teaching, community teaching, and online/offline education & training. The series covers multiple teaching fields including programming, makers, and robots and thus can meet the diversified education needs, such as AI, IoT, data science, and UI design.

This user manual describes the structural and electronic characteristics, supporting software, key electronic parts, classic example programs, and available suites of CyberPi series products, which helps you explore how you can use the CyberPi series more flexibly and effectively to learn or teach programming.

Reading suggestions:

To know about the product characteristics

[Structural Characteristics](#)

[Electronic Characteristics](#)

To learn programming

[Programming Software](#)

To know about the key electronic parts

[CyberPi](#)

[Pocket Shield](#)

[mBuild Modules](#)

The content in this manual may be changed with the upgrade or modification of the products, without prior notice.

If you find any errors or have any ideas or suggestions on how to improve the product or this manual, contact us through cyber.list@makeblock.com.

About the CyberPi Series

CyberPi is a new-generation networkable microcomputer designed for AI programming education. With the compact structure and powerful functions, it can be used to popularize AI education and advance your programming learning.



With the powerful programming software mBlock 5, extension boards, mechanical metal parts, and mBuild modules, CyberPi series products can be used in multiple education scenarios including large-class teaching, community teaching, and online/offline education & training. The products cover multiple teaching fields including programming, makers, and robots and thus can meet the diversified education needs, such as AI, IoT, data science, and UI design.