MAINBiz
Management Innovation Business
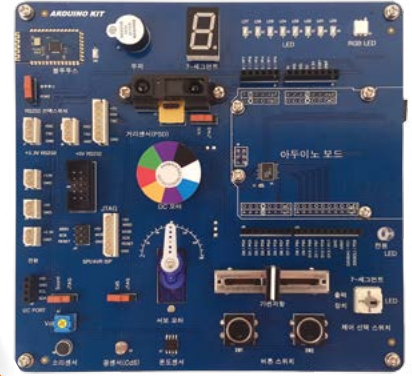**IIC** ISO 9001
JAS-ANZ

Arduino Kit

If Hanback Electronics Co. Ltd., makes Arduino Board for Education, it is different !
30-year tradition of educational board production, Hanback Electronics made!
It is not comparable in terms of quality and contents to inexpensive boards on the market.

Software training is mandatory from 2018, software training is no longer a choice, but a necessity

Advantage

Using the Arduino board, you can study C language grammar, sensors, and motor driving.   * CD (manual, source file) provided

▌ **Arduino C language grammar material**
▌ **Sensor and motor, communication, input/output control device teaching material**

Input device : Button switch (2)
Sensor device : Distance sensor (PSD), Slide sensor, Sound sensor (Microphone), Temperature sensor, Light sensor (CdS)
Output device : LED (8), 7-segment (1), Buzzer (1), DC motor (1), Servo motor (1), RGB LED (1)
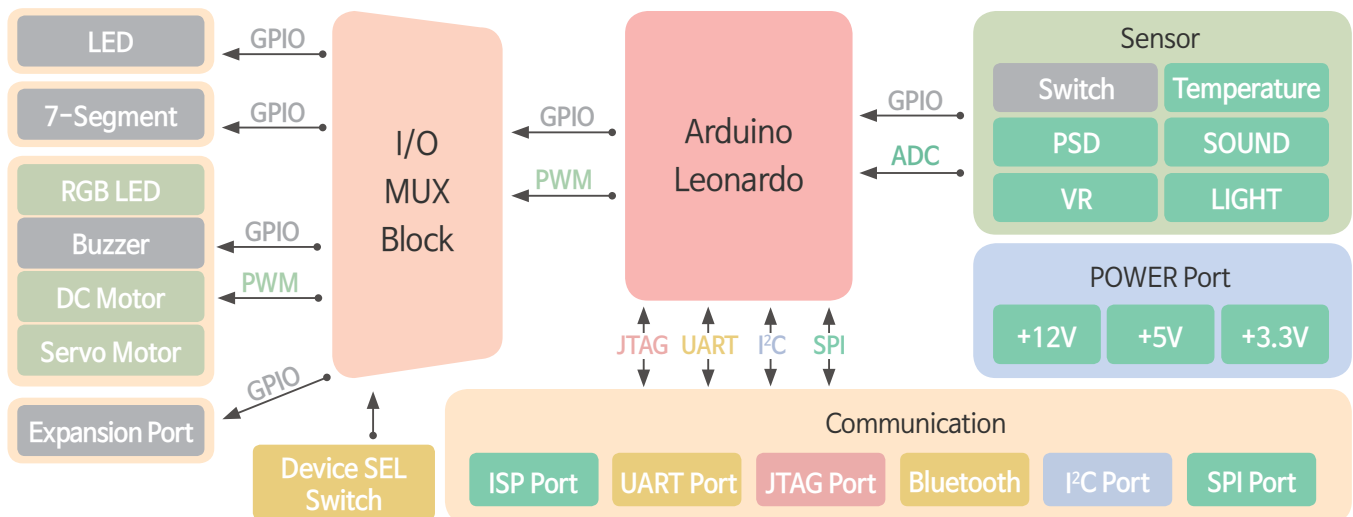Communication device : Bluetooth module

※ Device selection and expansion connector can be used according to control selection switch.

Chapter

1. **Installation of development environment**
2. **LED control**
3. **7-Segment Control**
4. **BUZZER**
5. **Switch**
6. **DC Motor**
7. **Servo Motor**
8. **Slide sensor**
9. **Light sensor**
10. **Temperature sensor**
11. **Distance sensor**
12. **Sound sensor**
13. **Bluetoot**

Block Diagram

Block diagram showing: LED, 7-Segment, RGB LED, Buzzer, DC Motor, Servo Motor, Expansion Port connected via GPIO/PWM to I/O MUX Block, which connects to Arduino Leonardo. Sensor block (Switch, Temperature, PSD, SOUND, VR, LIGHT) connects via GPIO/ADC. POWER Port (+12V, +5V, +3.3V). Communication: ISP Port, UART Port, JTAG Port, Bluetooth, I²C Port, SPI Port. Device SEL Switch. JTAG, UART, I²C, SPI interfaces.

※ Product pictures and specifications are subject to change.