

萬鈞伯裘書院
2022-2023 年度
承投提供編程教材服務供應商

招標編號：MKPC-T2223-016

附件一

項目		數量																						
1	micro:bit V2 CPU: Nordic ARM Cortex-M4 nRF52833 processor Memory: 128 KB Flash space: 512 KB Other digital features: 2.4 GHz radio, Bluetooth 5.1, 3-axis accelerometer sensor (compass and magnetometer), temperature sensor (in processor chip) Ports: Battery and power port, Micro-USB (data) port, 3 GPIO rings, 3-V power ring, GND ring Interface features: 25 LEDs (red), speaker, microphone, capacitive touch sensor, control buttons, reset button Compatible languages: MakeCode, MicroPython, App Inventor, Kodu, MicroBlocks, Arduino IDE, PyCharm, and more Dimensions: 4 x 5 cm	540																						
2	micro:bit Smart Science IOT Kit Component list : <table><tr><td>IoT:bit wifi extension board for micro:bit</td><td>X1</td></tr><tr><td>OLED Screen</td><td>X1</td></tr><tr><td>BME 280</td><td>X1</td></tr><tr><td>PIR sensor</td><td>X1</td></tr><tr><td>Light sensor</td><td>X1</td></tr><tr><td>Noise sensor</td><td>X1</td></tr><tr><td>Water level sensor</td><td>X1</td></tr><tr><td>soil moisture sensor</td><td>X1</td></tr><tr><td>Sonar:bit</td><td>X1</td></tr><tr><td>Dust sensor</td><td>X1</td></tr><tr><td>180° servo</td><td>X1</td></tr></table>	IoT:bit wifi extension board for micro:bit	X1	OLED Screen	X1	BME 280	X1	PIR sensor	X1	Light sensor	X1	Noise sensor	X1	Water level sensor	X1	soil moisture sensor	X1	Sonar:bit	X1	Dust sensor	X1	180° servo	X1	540
IoT:bit wifi extension board for micro:bit	X1																							
OLED Screen	X1																							
BME 280	X1																							
PIR sensor	X1																							
Light sensor	X1																							
Noise sensor	X1																							
Water level sensor	X1																							
soil moisture sensor	X1																							
Sonar:bit	X1																							
Dust sensor	X1																							
180° servo	X1																							

萬鈞伯裘書院
2022-2023 年度
承投提供編程教材服務供應商

招標編號：MKPC-T2223-016

附件一

項目		數量
3	Huskylens Processor: Kendryte K210 Image Sensor: OV2640 (2.0Megapixel Camera) Supply Voltage: 3.3~5.0V Current Consumption (TYP): 320mA@3.3V, 230mA@5.0V (face recognition mode; 80% backlight brightness; fill light off) Connection Interface: UART, I2C Display: 2.0-inch IPS screen with 320*240 resolution Built-in Algorithms: Face Recognition, Object Tracking, Object Recognition, Line Tracking, Color Recognition, Tag Recognition Dimension: 52mm * 44.5mm / 2.05 x 1.75inch	420