

汶莱中华中学
CHUNG HWA MIDDLE SCHOOL B.S.B.
P.O.BOX 58 BSB BS8670 NBD
TEL: 2229017 FAX: 2220097
REQUEST FOR QUOTATION

供我参考 / OUR REFERENCE : RFQ/2026/072

日期/Date : 05/10/2026

(SPECIFICATION AS MENTIONED BELOW)

请提供以下货品或服务/Please supply the following goods or services

编号 No	货品及摘要 Items and Particulars	单位 UOM	数量 QTY	特别要求 Remarks
	Supply, implementation, and support of AI and IoT technologies for CHMS, BSB			
1	AI IoT Kit (Details are as per the attached specification #1)	sets	20	
2	Satellite Transmitter to IoT Projects (Details are as per the attached specification #2)	unit	1	

1. Quotation needs to state:

1.1 Term of payment

1.2 Price validity

1.3 Period of Delivery

1.4 Warranty period

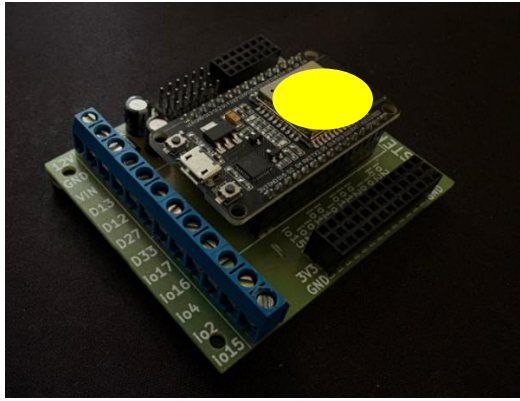
1.5 Local support availability

2. **The quoted price must include shipping, logistics handling fees, and any applicable customs declaration charges (No hidden cost).**

3. Quotation must be emailed **ONLY** to procurement@chms.edu.bn by 10/10/2026.

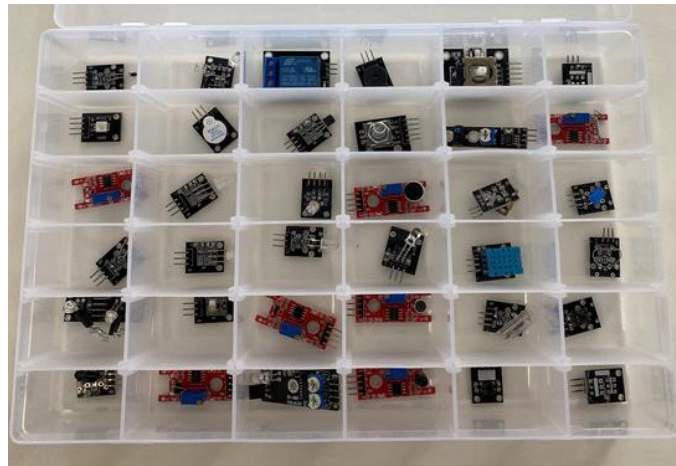
1. AI IoT Kit

ATTACHMENT #1



Controller	Programmable electronic module
Connectivity	Wi-Fi module pre-installed, connects to runlinc development website out of the box
Power Supply	Onboard voltage regulator, supports 5V to 15V input (6V, 9V, 12V, etc.)
I/O Connectors	3-pin connectors for direct plug-and-play, no extra wiring required
Motor Driver	4-port onboard driver — supports 2 forward/reverse motors or 4 single-direction motors
Driver Output	Supports small lamps, relays, and other devices up to 500mA per port
Driver Control	Can be enabled or disabled independently; outputs full voltage from 12V input to driver ports
Servo Connectors	6x servo motor connectors with direct power from Vin input
Servo Support	Drives high-current servo motors at 6V or other voltages; native servo control in runlinc software
Software	Unique, easy-to-learn programmable software

37-in-1 I/O Sensor Kit



Kit must include:

- 2-Axis Analog Joystick
- Relay
- Big Microphone (audio detection)
- Small Microphone (audio detection)
- IR Tracking Sensor (small)
- IR Avoidance Sensor
- Flame Sensor
- Linear Hall Effect Sensor (magnetic detection)
- Touch Sensor
- Digital Temperature Sensor (thermistor)
- Analog Temperature Sensor (thermistor)
- 18B20 Temperature Sensor
- Temperature and Humidity Sensor
- Photo-Resistor / LDR (light detection)
- Analog Hall Effect Sensor
- Hall Magnetic Sensor
- Reed Switch
- Mini Reed Switch
- Heartbeat Sensor
- Push Button
- Shock Sensor
- Rotary Encoder
- Ball Switch
- Tilt Switch (mercury)
- Tap Module
- Light Blocking Sensor
- IR Emission Module
- IR Receiver Module
- Active Buzzer (audio output)
- Passive Buzzer / Piezo
- RGB LED (through-hole)
- SMD RGB LED
- Two-Color LED (through-hole)
- Mini Two-Color LED
- 7-Color Flash LED (auto-cycling)
- Laser Emitter
- Light Cup x2

2. Satellite Transmitter for IoT Projects

ATTACHMENT #2



Communications	- Secure and private low-power satellite IoT connectivity - AES-CBC-256 encryption using unique per-Module keys
Radio Frequency	- VHF TX 160.975 - 161.475 - UHF RX 400.15 - 401 - or - UHF TX 399.9 - 400.05 - UHF RX 400.15 - 401
Enclosure	IP65, UV-resistant
Operating Temperature	-30°C to 70°C / -22°F to 158°F
RoHS Compliant	Yes
Power Supply	2x Lithium AA Batteries (3 - 3.6V) - Micro USB
Programming	Serial port via micro USB or SWD
On-board Myriota Module MCU Communications Interfaces	- Low power 32-bit microcontroller, - ARM Cortex-M4, 48MHz 256kB flash, 32kB RAM 2× UART 1× Low Energy UART with wakeup capability 1× I²C Master Interface 1x SPI Master Interface 2x Pulse Counter 2x 12-bit ADC 1x SWD 4x GPIO (2x with wakeup capability)
Connectors	- MMCX connector for external UHF antenna 2x17 pin male 100mil (2.54mm) pitch breakout header
Buttons	- Reset - Wakeup
GNSS	- SAM-M8Q-0-10 GNSS module with onboard antenna - GPS, Galileo and GLONASS - Acquisition Time 1s (hot start) or 30s (cold start) - Accuracy 2.5m CEP 50% (24 hours static, good sky view) - Sensitivity -164 dBm (tracking)
Temperature Sensor	-30°C to 70°C / -22°F to 158°F range +/- 2°C / 35.6°F sensitivity
Programmable LED	Yes
Data Destination	Webhook or AWS Lambda