

# Indoo Smart Classroom IoT Configuration List (CAN Protocol)

Module Standard/Optional Configuration: (Example: ● Standard ○ Optional)

Product Name	Quantity	Unit	Brand	Example	Specifications & Functional Parameters	Communication Method	Remarks
Indoo LCD Control Panel	1	unit	Indoo	●	Touch control panel for each classroom; displays status of classroom equipment, temperature, humidity, air quality, power switch, etc.; supports one-click control	WiFi / BLE / USB	One per room
10-in-1 Sensor	1	pc	Indoo	●	Detects classroom temperature, humidity, CO <sub>2</sub> , PM2.5, PM10, formaldehyde, TVOC, air pressure, altitude, and air odor level	BLE-MESH / CAN	One per room
Bluetooth Gateway	1	pc	Indoo	●	Bluetooth BLE communication gateway; supports 1 network port, 12VDC power input; provides data forwarding for Bluetooth IoT modules	WiFi / BLE / BLE-MESH / CAN / ETH	One per room
Serial Control / Power Meter Module	1	pc	Indoo	●	Power detection for display/projector; detects voltage and current; calculates power consumption; RS232 serial port for on/off control	BLE-MESH / CAN	One module per device
Air Condition	1	pc	Indoo	●	Detects voltage and current of air	BLE-MESH / CAN	One module



er Power Meter Module					conditioner; calculates power consumption		per device
Electric Curtain Motor	/	set	Indo o	●	Motor to drive electric curtains	BLE-MESH / CAN	Configured as needed
Curtain Rail	/	/		●	Custom aluminum curtain rails based on window size		
CRT Module	/	/		●	Works with curtain motor; controls via Bluetooth		
Lighting Control Module	1	pc	Indo o	●	Key control for three-channel lighting; supports remote control via mobile/tablet/computer; query light status	BLE-MESH / CAN	3 switches per room, based on lighting layout
WeChat Mini Program	1	set	Indo o	●	Mobile view of classroom device status including temperature, humidity, PM2.5, AC, lighting, curtain; includes statistical charts by month/day/hour		One set per school
Windows Big Data Management Platform	1	set	Indo o	●	Displays device statuses and environmental data; control of AC, lighting, curtains; data statistics including usage, power consumption, and online rate		One set per school
AI Voice Module	1	pc	Indo o	○	Intelligent AI system; wake-up control and scene switching by voice	TTL	One per room

