



Description

With the help of many cutting-edge technologies such as artificial intelligence, handwriting recognition, machine learning, and big data, it maintain students' existing writing habits and achieve real-time collection of handwriting. The smart pen box set consists of a dot matrix pen, a smart pen box and supporting consumables. The dot matrix pen does not change existing writing habits, but provides a professional digital "paper-screen interaction" solution, supporting the electronicization of original handwriting and automatic recognition of handwritten text.

Feature

- *Support 4G full network wireless transmission mode and support real-time/offline transmission modes.
- *The smart pen box and dot matrix pen adopt a fully automatic pairing mode, eliminating the need for manual pairing.
- *The smart pen box uses a lithium-ion polymer battery, which supports continuous use for ≥ 15 hours when fully charged.
- *The smart pen box is in line with students' usage habits. The size of the pen dimension is 180mm*52mm*22mm and the weight is 130g.
- *The dot matrix pen uses a polymer lithium battery, which supports continuous use for ≥ 4 hours when fully charged.
- *The dot matrix pen is in line with the student's pen habits, pen dimensions of 142 mm long, 9 mm wide (excluding the pen cap) within the weight of 13g (excluding the pen cap).
- *The dot matrix pen supports lens recognition speed of 200FPS and pressure sensitivity of 4096 levels.
- *The refill of the dot matrix pen adopts a 108mm long refill magnetic levitation structure.
- *The dot matrix pen can be used for full-angle writing, and supports 360-degree rotating lens orientation, which can accurately collect writing data.

Specification

Dot matrix pen	
RAM	16MB
Bluetooth version	BLE4.2
Transmission mode	Real-time transmission/offline transmission
Charging method	Magnetic charging
Handwriting collection	CMOS Sensor
Lens recognition speed	200FPS
Pressure sensing	Level 4096
Battery	100mAh polymer lithium cobalt oxide battery
Charging time	≤ 1.5 hours
Working hours	≥ 4 hours
Power input	DC 5.0V 0.30A
Standby time	≥ 300 days (with SIM card)
Usage environment	Temperature 0-50°C/humidity $\leq 95\%$ RH (no condensation)



Smart pen box

TE-BH01

Refill	108mm long pen core magnetic levitation structure
Freely for hand-writing	When holding the pen to write, you can write at all angles, support 360-degree rotating lens orientation and accurately collect writing data.
Writing angle	Based on the vertical line on the paper, positive writing is ≥ 40 degrees and negative writing is ≤ 30 degrees.
Power on	The pen tip has a pressure sensor and automatically turns on (it automatically turns on when the stationery box is pulled out)
Dimension	L: 142mm, W: 9mm (excluding pen cap)
Product material	Engineering plastics + aluminum alloy
Weight	About 0.013kg (excluding pen cap)
smart pen box	
Bluetooth version	BLE4.2
Wireless transmission	4G full network communication
Transmission mode	Real-time transmission/offline transmission
Card slot	Cannot boot without card, security protection
Pairing mode	Fully automatic (no manual pairing required)
Input interface	Type-C
Output Interface	2pins standard magnetic suction head
Battery capacity	1500mAh, lithium-ion polymer
Charging time	≤ 2.5 hours
Continuous working hours	≥ 15 hours
Power input	DC 5.0V 2.0A
Power Output	DC 5.0V 0.30A
Standby time	300 days
Usage environment	0-50°C/humidity $\leq 95\%$ RH (no condensation)
Dimension (L*W*H)	180mm*52mm*22mm
Product material	Engineering plastics, UL94-V0 fire protection grade material
Weight	0.13kg