iData 25T 2-in-1 Smart Thermometer

Non-contact industrial temperature measurement, multiple temperature measurement modes

0 ~ 6cm non-contact safety temperature measurement, providing more protection;

Multiple temperature measurement modes, covering all detection objects;

Intelligently sense ambient temperature, meet all temperature measurement requirements in 0 ~ 40 ° C environment;

Built-in German Hyman thermopile sensor, accurate temperature measurement of ± 0.2 , temperature measurement time ≤1S.

Real-time reading of city code / health code / smart ID card / access card

Real-time reading of city code / health code / ID card information, detection + identification + entry information in one step, improve operation efficiency;

NFC-bound personnel access card, ID card + access card for quick verification and reading, meeting the requirements of access control management.

Wi-Fi data transmission + camera / video recording, strengthen personnel information collection capabilities

Wi-Fi data transmission, timely and efficient information transmission and upload;

8 MXP high-definition camera, take pictures / videos anytime, anywhere.

Local/cloud storage & background system & big data platform

Personnel information admission can choose multiple local / cloud storage schemes

The backstage can inquire about the visits of people in and out of the enterprise / community / park in real time, and it can be displayed on a map.

Big data platform AI intelligent processing, personnel information details are intelligently sorted and updated to ensure real-time + timely control measures are in place

Long battery life+ long temperature measurement life

Equipped with 2700mAh large capacity battery;

Over 1 million times of temperature measurement button life, easily covering over one million people's temperature measurement needs.

Enterprise-class configuration

Enterprise-class Android OS;

Quad-core 1.3GHz high-performance processor, 8GB ROM + 1GB RAM large-capacity storage;

Enterprise-class Wi-Fi data communication;

Supporting Bluetooth 4.2 LE communication;

Slim design, weighing only 170g, easier to carry around and longtime use;

Robust and reliable, meeting the drop standard of 1.5 meters high to the concrete floor.

System Configuration

CPU	Quad-core 1.3 GHz
Operating System	Android 8.1 Go
Memory	8GB ROM + 1GB RAM
Display	2.4 inch, 320*240 high resolution
Touch Panel	Capacitive touch panel
Camera	8 MXP autofocus camera in the back side
Keypad	21 front keys, 2 side keys, Power key, total 24 keys
Battery	3.8 V 2700mAh rechargeable lithium polymer battery
Charging	Supporting Type-C charging
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor
Intercom function	One-touch PTT call (optional)

Structural Parameters

Dimensions (LxWxD)	150mm x 54mm x 20mm
Weight	170g (battery included)

Communication Transmission

Wireless LAN	Wi-Fi 802.11 a/b/g/n (Dual-band Wi-Fi: 2.4G+5G)
Bluetooth	Bluetooth 4.2 LE

Operating Environment

Programming Language	Android Standard interface, Java, Secondary development SDK, API, DEMO
Operating Temp.	-20°C ~ 60°C（-4°F ~ 140°F)
Storage Temp.	-40°C ~ 60°C（-40°F ~140°F） battery included
Relative Humidity	0 ～ 95% (non-condensing)
Drop Specification	1.5-meter drops to concrete ground
Electrostatic Discharge	Conforms to ±15 kV air discharge, ±8 kV direct discharge

Temperature detection parameters

Measurement method	Non-contact / infrared
Measuring distance	0~6cm
Response Time	≤1S
Temperature Range	Normal mode: 32 ~ 42.9 ℃ Object mode: 0 ~ 100 ℃
Resolution	0.01℃
Measurement accuracy	Normal mode 35 ℃ ~ 42 ℃ ± 0.2 ℃, other ranges ± 0.3 ℃ Object mode ± 1.0 ℃
Clinical reusability	±0.3℃
Operating environment	Temperature 0 ~ 40 ℃, relative humidity ≤85% Rh, air pressure 60-110Kpa

NFC

Frequency	13.56 MHz
Reading Distance	Within 30 mm
Protocol	ISO14443A/14443B/15693

Input/output Ports

USB Port	1 (Type-C USB port)

Accessories

Standard	USB Cable, Hand strap
Optional	Power adapter