



Thermal Imaging Mobile

A02T

Hardware datasheet

Singapore | Zhuhai | Hong Kong | Macao

www.vonetec.com | www.vonechina.com

VPAD A02T Thermometer mobile



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 °C, temperature measurement time ≤ 1 S.

Real-time reading of QR-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.

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 |

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 °C Object mode: 0 ~ 100 °C |
| Resolution | 0.01°C |
| Measurement accuracy | Normal mode 35 °C ~ 42 °C ± 0.2 °C, other ranges ± 0.3 °C Object mode ± 1.0 °C |
| Operating temp | Temperature 0 ~ 40 °C, 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 |



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