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TP SERIES

Biometric Mobile Terminal

TP SERIES is a stylish, slim and powerful fingerprint Android mobile terminal. It features IDspire's core fingerprint sensor technology and high performance image processing speed. Its high security biometric fingerprint technology and user-friendly Android platform provide excellent flexibility for integration and development on every level. With two sensor options (USB reader/ embedded module), TP SERIES is perfect for different industrial and management applications such as access control, time attendance, and mobile identification terminals.

Wet Finger Readable Optical Sensor

Application

- **National ID**
  High-security identification, PIV image quality compliant, India STQC/ UIDAI certified
- **KYC Solution**
  Know your customer information with great mobility; additional portable rugged case availabe per request
- **Time Attendance**
  Optional fingerprint modules for both closed identification system with 5000 propritary templates and cloud identification with ISO formats
- **IoT Solution**
  Built-in 4G, Wifi, GPS modules enable real time and location monitoring

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Overall Specification

Operating System	Android Oreo (GO Edition)
CPU	MTK8735V; Quadcore 2 x Cortex A7, 1.3 GHz
RAM	LP DDR2, 1GB
ROM	8GB
Display	7-inch IPS 1024 x 600
Front Camera	5.0 M pixel single with AF
Wi-Fi	IEEE 802.11 b/g/n
Bluetooth	Bluetooth 4.0
Navigation	GPS
Network	GPRS/ EDGE/ 4G
Contactless Module	RFID 125 KHz/ NFC 13.56 MHz (optional)
USB Port	1 x micro USB; 1 x mini USB (support OTG)
Power Supply	5V/ 2A input (via DC Jack 2.5 mm)
Battery	4000 mAh
Weight	330 g
Dimension	L 235 mm x H 109 mm x D 13.6 mm
Certification	CE, FCC, WEEE, RoHS, BIS

Biometric Specification

Fingerprint Sensor	Optical
Sensing Area	14 mm x 18 mm
Image Resolution	500 ppi
Gray Scale	256 level

FP Sensor Option 1	**TP 1000** Fingerprint Embedded Module 1:5000 templates Propritary template size, 624 bytes USB interface, BMP image
FP Sensor Option 2	**TP 1010** USB Fingerprint Reader Raw image size 252 x 330 ISO 19794-2, ISO 19794-4, ANSI- 378 (optional)

Accessory

Standard Package

DC Power Cable, RJ45 Ethernet Adapter, Micro USB Adapter

Optional

Power Plug Adapter, Wall Mount Bracket,
Portable Rugged Case

Model No. Reference

FP Sensor Option 1

TP 1000 (Standard), TP 1000-R (RFID), TP 1000-N (NFC)

FP Sensor Option 2

TP 1010 (Standard), TP 1010-R (RFID), TP 1010-N (NFC)

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

Specific Absorption Rate (SAR) information:

This Mobile Phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: TP SERIES (FCC ID: **2AJFS-TPSERIES**) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the ear is 0.766W/kg and Simultaneous Transmission on the body is 1.095W/kg. This device was tested for typical body-worn operations with the back of the handset kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained between the user’s body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.