

Our Dedicated Product Lines



Tablet PC



ICE Series - Your cutting-edge digital assistant

With a focus on ergonomic design and features, the ICE series tablet PC offers versatility in application and field-proven durability.

The ICE Series tablet PC features exceptional ergonomics, industrial sealing and high drop resistance for withstanding the most extreme industry-specific environment. Our obsessive attention to detail and passion for quality create a winning formula that promises to delight and inspire your staff on-the-go. It is the ultimate productivity tool for field services.

Industrial PDA



MODAT Series - Your data manager on the go

The Modat series industrial PDA brings real-time mobile computing and cost-effective mobility in one customizable, robust package.

The Modat Series, provides a total wireless solution with Android operating system. The Modat Series industrial PDA features a full range of wireless communication options and optimal suites of data capture technologies in one lightweight, versatile and robust package. It is specially suited to solutions in the retail, hospitality and logistics environments.

ICEROCK 3

Ultra Tough Assistant

CORNING
Gorilla® Glass

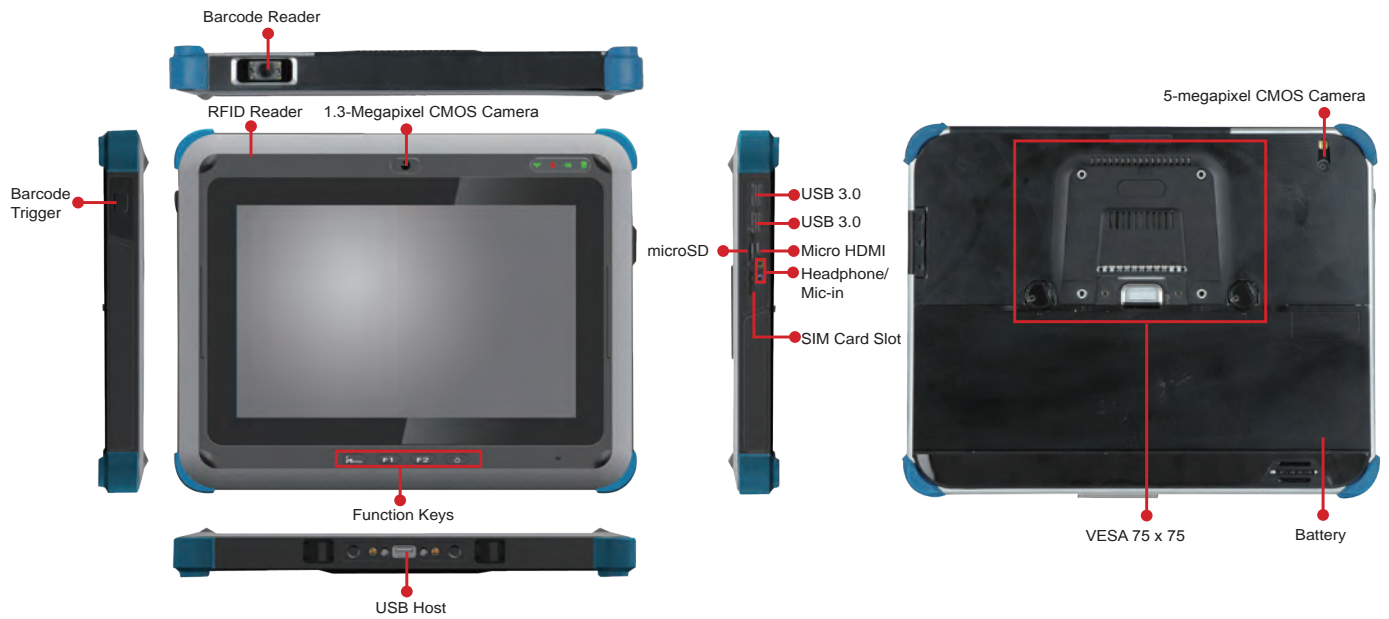
Features

- 10.1" 350 cd/m² TFT LCD with capacitive touch
- Intel® Celeron® 1007U or Intel® Core™ i7-3517UE platform
- Powered by Windows® Embedded Standard 7 P
- Bluetooth, Wi-Fi, 3.75G wireless with GPS
- 1D/2D barcode reader, 13.56MHz RFID reader
- 1.3-megapixel CMOS front camera and 5-megapixel CMOS rear camera
- Built-in hot-swappable battery
- Optional Windows 8 operating system



Specifications

| Model | | ICEROCK3 |
|----------------------|---------------------------------|---|
| Display | LCD Size | 10.1" TFT LCD |
| | Brightness (cd/m ²) | 350 |
| | Max. Resolution (HxV) | 1280 x 800 |
| | Viewing Angle | 85/85/85/85 Deg. |
| | Touchscreen | Projected capacitive type |
| System | CPU | Intel® Celeron® 1007U or Intel® Core™ i7-3517UE |
| | Chipset | Intel® HM76 |
| | Operating System | Windows® Embedded Standard 7 P |
| | Memory | 4.0 GB DDR3 SDRAM on board and optional 4.0 GB DDR3 SDRAM SO-DIMM |
| | Storage | 32GB MLC mSATA |
| Communication | Wireless LAN | Wi-Fi 802.11b/g/n |
| | Bluetooth | Bluetooth 3.0 |
| | Modem | UMTS/HSPA Band 1, 2, 4, 5, 6, 8 |
| | GPS | GPS with internal antenna |
| Data Collection | RFID | 13.56MHz RFID supports ISO 14443A/B (MIFARE®, FeliCa™) |
| | Barcode | 1D/2D imager scan engine |
| | Camera | 1.3-megapixel front camera 5-megapixel rear camera |
| Indicators & Buttons | Keys | 1 x Power button 2 x Hot keys 1 x iMenu |
| | LED Indicators | Battery charging/peripheral device/storage/wireless device |
| I/O Interface | Audio | 1 x Headphone 1 x Mic-in 2 x 1 W speakers |
| | Expansions | 3 x USB 3.0 1 x SIM card slot 1 x Micro HDMI |
| Power | Power Adapter | Input AC: 100~240V Output DC: 19V / 3A |
| | Battery | 40 W standard battery pack 40 W optional battery pack |
| Environment | Operating Temperature | 0°C~40°C |
| | Storage Temperature | -20°C~60°C |
| | Humidity | 5%~95%, non-condensing |
| | Drop Survival | 1.2M |
| | Environmental Protection | Front panel: IP65 Back side: IP64 |
| Physical | Dimensions (LxWxH) (mm) | 297 x 234 x 32 |
| | Weight | 1.9 kg |



Model Variations

| Part No. | CPU | Touch | IPS | RAM | Wireless | Bluetooth | Barcode | RFID | 3.75G | GPS | 5M Camera | 2nd Battery |
|----------------------|---------------|------------------|-----|-----|--------------|-----------|---------|------|-------|-----|-----------|-------------|
| ICEROCK3-T10-HU-R11 | Celeron 1007U | Capacitive touch | Yes | 8GB | 802.11 b/g/n | Ver. 3.0 | Yes | Yes | Yes | Yes | Yes | Yes |
| ICEROCK3-T10-ETC-R11 | Celeron 1007U | Capacitive touch | Yes | 4GB | 802.11 b/g/n | Ver. 3.0 | N/A | Yes | N/A | N/A | N/A | N/A |
| ICEROCK3-T10-HUI-R11 | i7-3517UE | Capacitive touch | Yes | 8GB | 802.11 b/g/n | Ver. 3.0 | Yes | Yes | Yes | Yes | Yes | Yes |

Optional Accessory List

| Item | Part No. | Description |
|-------------------|------------------------|---|
| Charging Bay | ICEROCK3-CR01-R10 | Independent charging bay for ICEROCK3 (with interlocking design) |
| Combo Card Reader | ICEROCK3-3IN1-R10 | Smart card reader, magnetic stripe reader, fingerprint reader combo add-on module |
| Carrying Case | 7Z000-ICEROCK3-10POUCH | Protective bag with shoulder strap |



Combo Card Reader



Carrying Case



Charging Bay

Ordering Information

| Part No. | Description |
|----------------------|---|
| ICEROCK3-T10-HU-R11 | Intel® Celeron® 1007U CPU, capacitive touch, IPS panel, 8GB RAM, 32G SSD, 802.11 b/g/n&BT, RFID, 1.3M/5M camera, 2nd battery, GPS, barcode, 3.75G, WS7P, RoHS |
| ICEROCK3-T10-ETC-R11 | Intel® Celeron® 1007U CPU, capacitive touch, IPS panel, 4GB RAM, 32G SSD, 802.11 b/g/n&BT, RFID, 1.3M camera, WS7P, RoHS |
| ICEROCK3-T10-HUI-R11 | Intel® i7-3517UE CPU, capacitive touch, IPS panel, 8GB RAM, 32G SSD, 802.11 b/g/n&BT, 3.75G, RFID, 1.3M/5M camera, 2nd battery, GPS, barcode, WS7P, RoHS |

ICECARE-10W

Mobile Sales Assistant

Microsoft
Azure

Certified



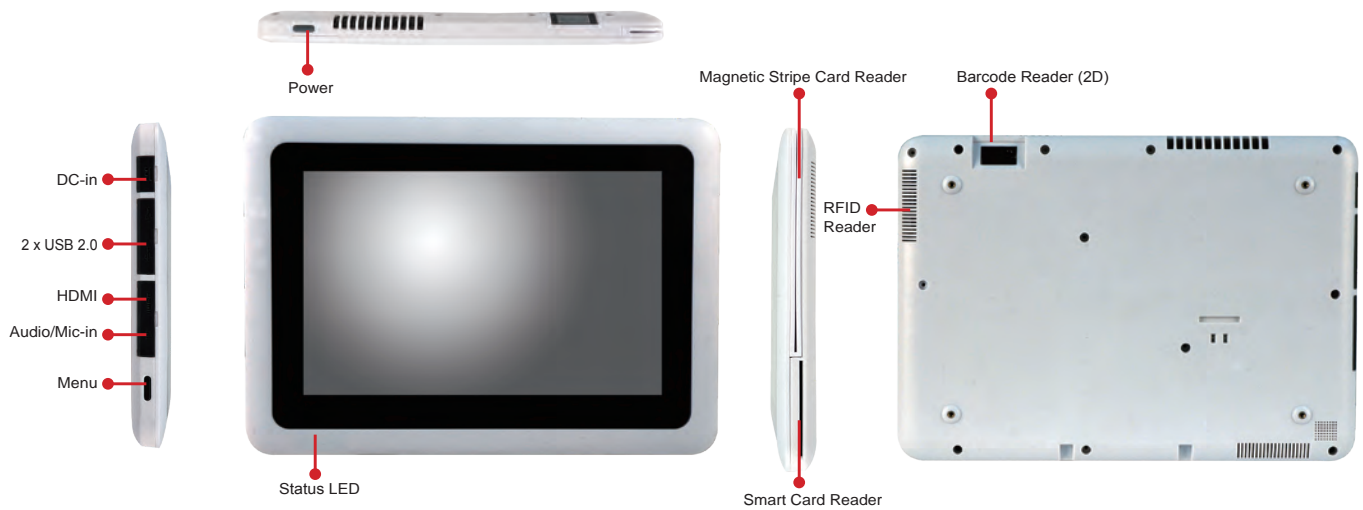
Features

- 10.1" TFT LCD with capacitive touch
- Intel® Celeron® 1007U or Intel® Core™ i7-3517UE platform
- Powered by Windows® Embedded Standard 7
- Built-in Bluetooth and Wi-Fi
- Built-in smart card reader and magnetic stripe card reader
- 1D/2D barcode reader, 13.56MHz RFID reader
- Optional Windows® 8 operating system



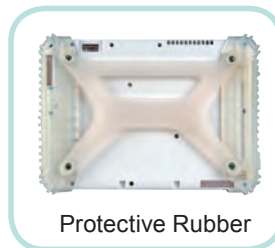
Specifications

| Model | ICECARE-10W | |
|----------------------|---------------------------------|--|
| Display | LCD Size | 10.1" TFT LCD |
| | Brightness (cd/m ²) | 350 |
| | Max. Resolution (HxV) | 1280 x 800 |
| | Viewing Angle | 85/85/85/85 Deg. |
| | Touchscreen | Capacitive type |
| System | CPU | Intel® Celeron® 1007U or Intel® Core™ i7-3517UE platform |
| | OS | Windows Embedded Standard 7 |
| | Memory | On-board 4GB DDR3 |
| | Storage | Built-in 32GB mSATA |
| Communication | Wireless LAN | 802.11b/g/n |
| | Bluetooth | Bluetooth 3.0 |
| Data Collection | Barcode | 1D/2D imager scan engine |
| | RFID | 13.56MHz RFID supports ISO 14443A/B (MIFARE®, FeliCa™) |
| Indicators & Buttons | Keys | 1 x Power button 1 x IEI menu |
| | LED Indicators | Battery Charging/Peripheral Device/Storage/Wireless |
| I/O Interface | Audio | 1 x 1.5W Speaker |
| | USB | 2 x USB 2.0 |
| | Audio | 1 x Audio/Mic-in |
| | Micro HDMI | 1 x Micro HDMI |
| | Expansions | Smart card reader Magnetic stripe reader |
| Power | Power Adapter | Input AC: 100-240V Output DC: 19V / 2.1A |
| | Battery | 14.8V 3500mAh, 51.8WH |
| | Power Consumption | 19V@2.12A (with Intel i7-3517UE CPU and one 4GB DDR3 memory) |
| Environment | Operating Temperature | 0°C-40°C |
| | Storage Temperature | -20°C-60°C |
| | Humidity | 5%-95%, non-condensing |
| | Environmental Protection | IP 54 compliant front panel |
| Physical | Dimensions (LxWxH) (mm) | 290 x 206.5 x 22.5 |
| | Weight | 1.1 kg |



Model Variations

| Part No. | Touch | IPS | RAM | Wireless | Bluetooth | MSR | SCR | Barcode | RFID |
|-----------------------|----------------------|-----|-----|--------------|-----------|-----|-----|---------|------|
| ICECARE-10W-CE-R10 | Projected Capacitive | Yes | 4GB | 802.11 b/g/n | Ver. 3.0 | Yes | Yes | Yes | Yes |
| ICECARE-10W-CE-ET-R10 | Projected Capacitive | Yes | 4GB | 802.11 b/g/n | Ver. 3.0 | N/A | N/A | N/A | Yes |
| ICECARE-10W-I7-R10 | Projected Capacitive | Yes | 4GB | 802.11 b/g/n | Ver. 3.0 | Yes | Yes | Yes | Yes |
| ICECARE-10W-I7-ET-R10 | Projected Capacitive | Yes | 4GB | 802.15 b/g/n | Ver. 3.0 | N/A | N/A | N/A | Yes |



Optional Accessory List

| Item | Part No. | Description |
|-------------------|----------------------------|------------------------------------|
| Cradle | ICECARE-10W-CR01-R10 | ICECARE-10W charging cradle |
| Protective Rubber | ICECARE-10W-PR01-R10 | ICECARE-10W protective rubber |
| Carrying Case | 7Z000-ICECARE-10W-R10POUCH | Protective bag with shoulder strap |

Ordering Information

| Part No. | Description |
|-----------------------|--|
| ICECARE-10W-CE-R10 | Intel® Celeron® 1007U CPU, capacitive touch, IPS panel, 4GB RAM, 32G SSD, 802.11 b/g/n, BT, 1D/2D barcode, MSR, SCR, RFID, WS7P, RoHs |
| ICECARE-10W-CE-ET-R10 | Intel® Celeron® 1007U CPU, capacitive touch, IPS panel, 4GB RAM, 32G SSD, 802.11 b/g/n, BT, RFID, WS7P, RoHs |
| ICECARE-10W-I7-R10 | Intel® Core I7-3517UE 1.7GHz CPU, capacitive touch, IPS panel, 4GB RAM, 32G SSD, 802.11 b/g/n, BT, 1D/2D barcode, MSR, SCR, RFID, WS7P, RoHs |
| ICECARE-10W-I7-ET-R10 | Intel® Core I7-3517UE 1.7GHz CPU, capacitive touch, IPS panel, 4GB RAM, 32G SSD, 802.11 b/g/n, BT, RFID, WS7P, RoHs |

MODAT-532

Mobile Data Collector



Features

- Stylish rugged design and ultra-light industrial Android mobile device
- Octa-Core Cortex A53 64bit 1.7 GHz Processor
- 5.3" display PDA
- Optional
 - GSM 850/900/1800/1900
 - WCDMA 2100/1900/850/900
 - 4G LTE
 - FDD (Band 1,2,3,7,8,20)
 - TDD (Band 38,39,40,41)
- Micro USB port and microSD card slot (max. 32 GB) for maximum connectivity
- Android 5.0 OS
- 1D/2D imager scan engine
- NFC (device to device communication, card reader).



Specifications

| Model | | MODAT-532A-QA53-R20 | MODAT-532A-QA53-ET-R20 |
|----------------------|---------------------------------|---|------------------------|
| Display | LCD size | 5.3" | |
| | Brightness (cd/m ²) | 350 cd/m ² | |
| | Max. Resolution | 540(H) x 960(V) | |
| | Viewing Angle | 80/80/80/80 Deg. | |
| | Touchscreen | 5-point capacitive | |
| System | CPU | Octa-Core Cortex A53 64bit 1.7 GHz | |
| | Operating System | Android 5.0 | |
| | Memory | 16GB eMMC 2G LPDDR2 | |
| | Storage | microSD slot up tp 32GB | |
| Communication | Wi-Fi | 802.11a/b/g/n | |
| | Bluetooth | 4.0 LE | |
| | Modem (Optional) | GSM (800, 900, 1800, 1900) WCDMA (2100, 1900, 850, 900) 4G FDD(Band1,2,3,7,8,20), TDD(38,39,40,41) | |
| | GPS | GPS / Glonass | |
| | NFC | Yes | |
| Data Collection | Barcode | 1D/2D imager scan engine | N/A |
| | Camera | 13-megapixel AF rear camera | |
| Indicators & Buttons | LED Indicators | Green/Red | |
| I/O Interface | Audio | 1x 0.5W Speaker 1x Headset / Mic-in | |
| | USB | 1x High-speed Micro USB 2.0 Host | |
| Power | Power Adapter | 5V/3A | |
| | Battery | 3900 mAh | |
| Enviroments | Operating Temperature | -10°C – 50°C | |
| | Storage Temperature | -20°C – 60°C | |
| | Humidity | 10% – 95%, non condensing | |
| | Drop Survival | 1.5m | |
| | Environmental Protection | IP 67 | |
| Physical | Dimensions (L x W x H) | 160.9 mm x 85.4 mm x 28.85 mm | |
| | Weight | 386 g | |



Optional Accessory List

| Item | Part No. | Description |
|--------------------------|----------------------|---------------------------|
| Cradle | MODAT-531A-CR01-R10 | MODAT-531 charging cradle |
| MODAT-531 Standard Pouch | 7Z000-MODAT531APOUCH | MODAT-531A pouch, black |



Packing List

| Item | Part No. | Q'ty |
|---------------|---------------------|------|
| USB Cable | 32001-014300-100-RS | 1 |
| AC-DC Adapter | 63040-480015-001-RS | 1 |
| Hand Strap | 46035-000300-RS | 1 |

Cradle Specification

| Model | Description | |
|--------------------------|-------------------------|--------------------------|
| I/O Interface | DC Input | 1 x Micro USB Jack |
| Power | Power Supply | 5V/3A |
| Environment | Operating Temperature | -10°C ~ 50°C |
| | Storage Temperature | -20°C ~ 60°C |
| | Humidity | 10% ~ 95% non condensing |
| Physical Characteristics | Dimensions (LxWxH) (mm) | 115.0 x 66.0 x 50.4 |
| | Weight | 194 g |

Ordering Information

| Part No. | Description |
|------------------------|--|
| MODAT-532A-QA53-ET-R20 | 5.3" 350 cd/m ² , Capacitance Touch, Android 5.0 PDA with Octa-core Cortex-A53 1.7 GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, GSM(3G, LTE), GPS, FM, 13M pixel camera, 2GB LPDDR3, 16GB eMMC, NFC, RoHS |
| MODAT-532A-QA53-R20 | 5.3" 350 cd/m ² , Capacitance Touch, Android 5.0 PDA with Octa-core Cortex-A53 1.7 GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, GSM(3G, LTE), GPS, FM, 13M pixel camera, 1D/2D barcode, 2GB LPDDR3, 16GB eMMC, NFC, RoHS |

Enterprise PDA Mobility Management Solution

- Stylish rugged IP67 design and ultra-light industrial PDA mobile device with Android 5.0 OS system
- MODAT-532 NFC (Near field communication) can be used as mobile terminal which allows your association to identify users
- Enhancing on-duty staff work force and mobility, all data and information captured by MODAT-532 can be transferred via wireless communication providing real-time response without any lost.
- Octa-Core Cortex A53 64bit 1.7 GHz Processor, 5.3" mobile PDA phone.
- GSM 850/900/1800/1900
- Optional GSM 850/900/1800/1900
- Optional WCDMA (2100,1900,850,900) 4G LTE FDD(Band1,2,3,7,8,20), TDD(38,39,40,41)



MODAT-550A

Mobile Data Collector



Features

- 1.5m drop survival and IP 67 protection
- Octa-core 64-bit Cortex-A53 1.5 GHz processor
- 5.5" display PDA
- Optional GSM (850, 900, 1800, 1900)
WCDMA (Band 1, 2, 5, 8)
TDS-CDMA (Band 34, 39)
LTE FDD (Band 1, 2, 3, 4, 5, 7, 8, 20)
TDD (Band 38, 39, 40, 41b)
- Micro USB port and microSD card slot (max. 64 GB) for maximum connectivity
- Android 7.0 OS
- 1D/2D imager scan engine
- NFC (device to device communication, card reader).



Specifications

| Model | | MODAT-550A-OA53-R10 | MODAT-550A-OA53-ET-R10 |
|----------------------|---------------------------------|---|------------------------|
| Display | LCD size | 5.5" | |
| | Brightness (cd/m ²) | 300 cd/m ² | |
| | Max. Resolution | 1080 x 1920 (Full HD) | |
| | Viewing Angle | 80/80/80/80 Deg. | |
| | Touchscreen | 5-point capacitive | |
| System | CPU | Octa-core 64-bit Cortex-A53 1.5 GHz processor | |
| | Operating System | Android 7.0 | |
| | Memory | 16GB eMMC 2GB LPDDR3 | |
| | Storage | microSD slot up to 64GB | |
| Communication | Wi-Fi | 802.11a/b/g/n | |
| | Bluetooth | 4.0 LE | |
| | Modem (Optional) | GSM (850, 900, 1800, 1900) WCDMA (Band 1, 2, 5, 8) TDS-CDMA (Band 34, 39) LTE FDD (Band 1, 2, 3, 4, 5, 7, 8, 20) TDD (Band 38, 39, 40, 41b) | |
| | GPS | GPS/Glonass | |
| | NFC | Yes | |
| Data Collection | Barcode | 1D/2D imager scan engine | N/A |
| | Camera | 13-megapixel AF rear camera | |
| Indicators & Buttons | LED Indicators | Green/Red | |
| I/O Interface | Audio | 1 x 0.5W speaker 1 x Headset/Mic-in | |
| | USB | 1x High-speed Micro USB 2.0 OTG | |
| Power | Power Adapter | 5V/3A | |
| | Battery | 4000 mAh | |
| Enviroments | Operating Temperature | -10°C – 50°C | |
| | Storage Temperature | -20°C – 60°C | |
| | Humidity | 10% – 95%, non condensing | |
| | Drop Survival | 1.5m | |
| | Environmental Protection | IP 67 | |
| Physical | Dimensions (L x W x H) | 160.9 mm x 85.4 mm x 28.85 mm | |
| | Weight | Under 380g | |



Optional Accessory List

| Item | Part No. | Description |
|----------------|----------------------|-----------------|
| Cradle | MODAT-531A-CR01-R10 | charging cradle |
| Standard Pouch | 7Z000-MODAT531APOUCH | pouch, black |



Packing List

| Item | Part No. | Q'ty |
|---------------|---------------------|------|
| USB Cable | 32001-014300-100-RS | 1 |
| AC-DC Adapter | 63040-480015-001-RS | 1 |
| Hand Strap | 46035-000300-RS | 1 |

Cradle Specification

| Model | Description | |
|--------------------------|-------------------------|--------------------------|
| I/O Interface | DC Input | 1 x Micro USB jack |
| Power | Power Supply | 5V/3A |
| Environment | Operating Temperature | -10°C ~ 50°C |
| | Storage Temperature | -20°C ~ 60°C |
| | Humidity | 10% ~ 95% non condensing |
| Physical Characteristics | Dimensions (LxWxH) (mm) | 115.0 x 66.0 x 50.4 |
| | Weight | 194 g |

Ordering Information

| Part No. | Description |
|------------------------|---|
| MODAT-550A-OA53-R10 | 5.5" capacitive touch, Android 7.0 PDA with Octa-core Cortex-A53 1.5GHz processor, Wi-Fi 802.11a/b/g/n, Bluetooth 4.0 LE, optional GSM, GPS, 13-megapixel camera, 1D/2D barcode scanner, 2GB LPDDR3, 16GB eMMC, NFC, RoHS |
| MODAT-550A-OA53-ET-R10 | 5.5" capacitive touch, Android 7.0 PDA with Octa-core Cortex-A53 1.5GHz processor, Wi-Fi 802.11a/b/g/n, Bluetooth 4.0 LE, optional GSM, GPS, 13-megapixel camera, 2GB LPDDR3, 16GB eMMC, NFC, RoHS |

Enterprise PDA Mobility Management Solution

- Stylish rugged IP 67 design and ultra-light industrial PDA mobile device with Android 7.0 OS
- The built-in NFC (Near Field Communication) can be used as mobile terminal which allows your association to identify users
- All data and information captured by MODAT-550A can be transferred via wireless communication, providing real-time response without any loss to enhance on-duty staff work force and mobility
- 5.5" mobile PDA phone with Octa-core 64-bit Cortex-A53 1.5 GHz processor
- Optimal GSM (850, 900, 1800, 1900)
 WCDMA (Band 1, 2, 5, 8) TDS-CDMA (Band 34, 39)
 LTE FDD (Band 1, 2, 3, 4, 5, 7, 8, 20) TDD (Band 38, 39, 40, 41b)



IMATELLIGENT

Multipurpose Alarm System



Features

- Support WiFi 802.11 b/g/n
- Weight limitation from 20kg to 120kg
- Support real time monitor and receive notice from mobile phone
- Support Android
- Support LIFX smart bulb



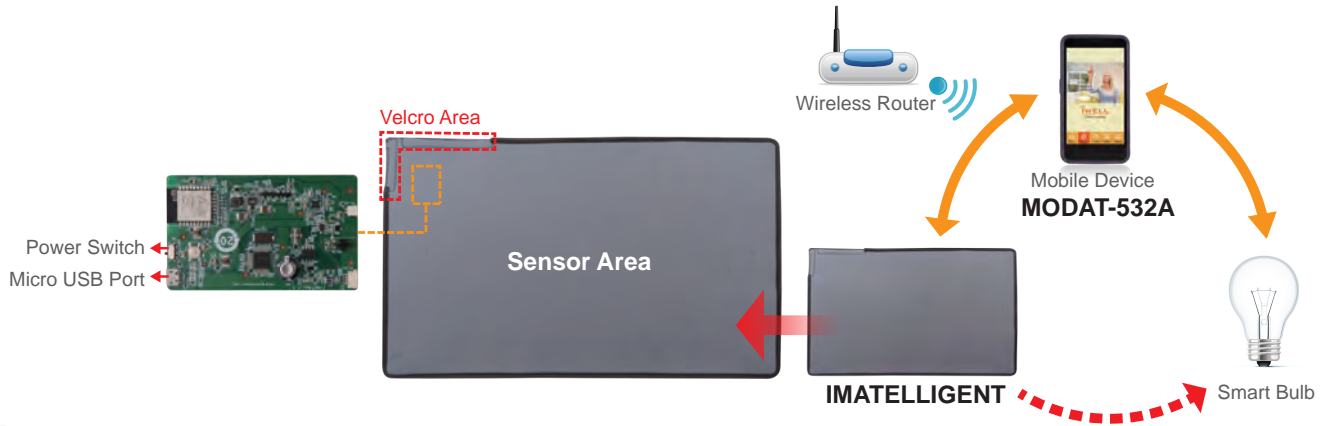
Specifications

| Model | IMATELLIGENT-R10 |
|-------------------------|---|
| CPU | 32-bit RISC MCU |
| RAM | 256 MB |
| USB | 1 x Micro USB 2.0 |
| Wireless | Wi-Fi 802.11 b/g/n |
| Sensor | Trigger time: 0.3 sec after stepping on |
| | Weight limitation from 20kg to 120kg |
| | Support LIFX smart bulb |
| OS | RTOS |
| Power Input | 5V DC input |
| | 1 x On/Off switch |
| Operation Environment | Working Temperature : 0°C ~ 40°C |
| | Storage Temperature : - 10°C ~ 60°C |
| | Humidity : 5% ~ 90%RH (no-condensing) |
| Dimensions (WxHxD) (mm) | 540 x 340 x 14 |

Ordering Information

| Part No. | Description |
|----------------------|--|
| SIMATELLIGENT-ET-R10 | 32-bit RISC MCU; one Micro USB 2.0; Wireless 802.11b/g/n; RTOS |

Device Connection



Software Structure

