

MODAT-550A

Mobile Data Collector



Features

- » 1.5m drop survival and IP 65 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

| Communication | |
|--------------------------|--|
| Bluetooth | 4.0 LE |
| GPS | GPS/Glonass |
| modem | 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) |
| Wi-Fi | 802.11a/b/g/n |
| Data Collection | |
| Barcode | 1D/2D imager scan engine |
| Camera | 13-megapixel AF rear camera |
| Display | |
| Brightness(cd/m2) | 300 |
| Max Resolution | 1080x1920 |
| Touch Screen | 5-point capacitive |
| Viewing Angle | 80/80/80/80 deg |
| Environment | |
| Drop Survival | 1.5m |
| Environmental Protection | IP 65 |
| Humidity | 10% ~ 95%, non condensing |
| Operating Temperature | -10°C ~ 50°C |
| Storage Temperature | -20°C ~ 60°C |
| I/O Interface | |
| Audio | 1 x 0.5W speaker |
| | 1 x Headset/Mic-in |
| USB | 1x High-speed Micro USB 2.0 OTG |

| I/O Interface | |
|--------------------------|---|
| I/O Interface | 1 x Mic |
| | 1 x MiniSD Slot |
| | 1 x Power In |
| | 1 x Power switch |
| | 1 x SD Slot |
| | 1 x Speaker |
| | 1 x USB 2.0 |
| Indicator&Buttons | |
| LED Indicator | Green/Red |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 160.9 mm x 85.4 mm x 28.85 mm |
| Net Weight | Under 380g |
| Power | |
| Battery | 4000 mAh |
| Power adapter | 5V/3A |
| System | |
| CPU | Octa-core 64-bit Cortex-A53 1.5 GHz processor |
| On-board Memory | 16GB eMMC |
| | 2GB LPDDR3 |
| Operating System | Android 7.0 |
| Storage | microSD slot up to 64GB |

Ordering Information

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|---------------------------|--|
| MODAT-550A-OA53-R10-US | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 1D/2D barcode, 2GB LPDDR3, 16GB eMMC, NFC, US reg, RoHS |
| MODAT-550A-OA53-R10-TW | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 1D/2D barcode, 2GB LPDDR3, 16GB eMMC, NFC, TW reg, RoHS |
| MODAT-550A-OA53-R10-EU | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 1D/2D barcode, 2GB LPDDR3, 16GB eMMC, NFC, EU reg, RoHS |
| MODAT-550A-OA53-R10-CN | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 1D/2D barcode, 2GB LPDDR3, 16GB eMMC, NFC, CN reg, RoHS |
| MODAT-550A-OA53-ET-R10-US | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 2GB LPDDR3, 16GB eMMC, NFC, US reg, RoHS |
| MODAT-550A-OA53-ET-R10-TW | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 2GB LPDDR3, 16GB eMMC, NFC, TW reg, RoHS |
| MODAT-550A-OA53-ET-R10-EU | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 2GB LPDDR3, 16GB eMMC, NFC, EU reg, RoHS |
| MODAT-550A-OA53-ET-R10-CN | 5.5" Android 7.0 PDA with Octa-Core Cortex-A53 1.5GHz, 802.11 a/b/g/n WiFi, 4.0 LE Bluetooth, (GSM, 3G, LTE), GPS, 13M pixel camera, 2GB LPDDR3, 16GB eMMC, NFC, CN reg, RoHS |

Packing List

| | |
|----------------|-------------------|
| 1 x USB Cable | 1 x AC-DC Adapter |
| 1 x Hand Strap | |