

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

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	