

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

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 65	
Physical	Dimensions (L x W x H)	160.9 mm x 85.4 mm x 28.85 mm	
	Weight	Under 380g	

Ordering Information

Part No.	Description
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-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-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-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-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-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
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-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

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

