PDA Android Industrial Data Terminal

(M/N: RAGTAB AM181)

RAGTAB AM 181 is an Android OS13.0 device that supports 4G high-speed network communication. Inside the compact handheld device, IP65 water/dust seal rating, 1.5m/4.5ft drop resistance, ergonomic design, over-molding construction, fast charging technology, tough 5.5-inch Gorilla Glass 3 screen for performance. The latest Octa-Core processor 4GB RAM/64GB ROM ultra-high memory, the best choice for outdoor industrial applications

Features:

Extremely Stable Performance

Android 13.0 OS with memory of 4GB RAM/ 64GB ROM can provide the highly standard experience.

High Speed Data Communication

Double insurance of 4G high Speed network and dual-frequency WIFI network can ensure the real-time data communication in different using environment.

Rugged Ergonomic and Over-molding Design

Over-molding and ergonomic hardware design can satisfy most of the tough environment from different fields.

Extremely Stable Hardware Display

5.5-inch Gorilla Glass 3 9H screen can ensure the performance under different tough environment

Highly Customized Structure

'All-in-One' hardware design conception can expand the hardware modules integration based on different project requirements.

Quick-Charging

Quick-charging technology can provide the most efficient experience.

Specification

PHYSICAL CHARACTERISTICS	
Dimension	170.8mm(H)x81mm(W)x**28mm(D)± 2 mm**
Weight	Net Weight 400g (including battery&wrist strap),Gross Weight:500g
Machine package	200*140*90mm
20 in 1 carton	420*450*300mm/13.5kg for machine
Cradle package	180*135*70mm/368g
Display	Tough 5.5-inch TFT-LCD(720x1440)touch screen with backlight
Backlight	LED backlight
Keypads	3 TP keys, 4 function keys, 4 side buttons
Expansions	2 *PSAM（optional), 1* SIM, 1* TF
Battery	Rechargeable li-ion polymer, 3.8V, **5200mAh**
PERFORMANCE CHARACTERSTICS	
CPU	Cortex A73 2.0GHz octa-core, MTK6762
Operating System	Android 13.0
Storage	4GBRAM, 64GB ROM, Micro SD up to 256GB for option
USER ENVIRONMENT	
Operating Temp.	-20℃ to 50℃
Storage Temp.	-20℃ to 70℃
Humidity	5%RH to 95%RH(non-condensing)
Drop Specifications	5ft./1.5 m drop to concrete across the operating temperature range
Sealing	IP65, IEC compliance
ESD	±15kv air discharge, ±8kv direct discharge
DEVELOPMENT ENVIRONMENT	
Language	Java
Environment	Android Studio or Eclipse
DATA COMMUNICATION	
WWAN	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 5, 7, 8, 12, 17, 20 WCDMA(850/1900/2100MHz); GSM/GPRS/Edge (850/900/1800/1900MHz);
WLAN	2.4GHz/5.0GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.2
GPS	GPS(embedded A-GPS), accuracy of 5 m
CERTIFICATIONS:	FC CE RoHS compliant
BARCODE READER(OPTIONAL)	

2D bar code	Honeywell N5703 2D Scan Engine/ Newland NLS-CM60/Newland NLS-N1	
	Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal. Etc
COLOR CAMERA		
Resolution	Rear 13 megapixel, front 5.0 megapixel	
Lens	Auto-focus with LED flash	
EMBEDED READER		
MODULE	Frequency	125khz, 13.56MHz
	Protocol	**HID Prox, ICLASS, MIFARE, Desfire, EV1,2,3, C1000, INDALA, SEOS, QR code**
ACCESSORIES	1xPowerSupply(input:AC100V-240V,50Hz/60Hz,output:DC5V/2A),1xLithiumPolymer Battery,1xUSB data cable	
Optional	Cradle, dock station, bus support, vehicle charger	