

RT584KE - 5" Octa-core Rugged Handset



■ Ip67 protection degree, withstand 1.5m height drop upon six-sides for multiple application scenarios

- Features for Logistic management/ Transportation/ Financial/ FMCG/ Health care/ Medicine/ Mobile law enforcement/ Warehousing/ Hospitality / Retail/ Public service applications

■ Octa-core Cortex-A53, in Android 9.0 4G full net, dual cards dual standby.

■ 5" high brightness 720* 1280 HD display & P.Cap multi-touch screen with glove sensitivity

■ Large capacity battery & fast charging

- 4000mAh battery capacity with low power consumption meets full-time work
- Professional Type-C port support fast charging.

■ Efficient data capture, 3-satellite system, & rich features for real time, precise location, & data collection

- NFC, HF RFID data capture
- 13MP rear-camera, 5MP front-camera, multiple sensors
- Dual-satellite system – GPS, GLONASS, and Beidou
- WiFi connected, Bluetooth 4.2 BLE
- Implementing fingerprint authentication for security protection
- Optional: External MSR(Magnetic Swipe Reader)
External SCR(Smart Card Reader)
External Thermal printer, Shoulder strap



Feature II



ALL-AROUND RUGGEDNESS

- IP67 ingress protection & 1.5m drop-proof
- Water-proof/ Dust-proof/ Shock-proof



EXCELLENT CONNECTIVITY AND DATA CAPTURE

- High-sensitivity GPS (+AGPS) + Glonass + Beidou receiver
- IEEE 802.11 a/b/g/n/ac/r (2.4GHz & 5GHz)
- Bluetooth® 4.2 BLE
- NFC for wireless data exchange
- 13MP AF Rear Camera and 5MP FF Front Camera



BRILLIANT SCREEN FOR INDOOR AND OUTDOOR USE

- 5" capacitive multi-touch panel with glove mode
- 420-nits high brightness panel with wide view angle
- Features optical bonding technology for easy readability in direct sunlight situations



FLEXIBLE MOUNTING OPTIONS

- Easy and quick plug-in handset into & out of cradle
- Charge and sync data from and through cradle

Specification I

ITEM	DETAILED		
System			
SOC	MT6762, 64 bits Octa-Core ARM® Cortex-A53*4 @ 2.0GHz + Cortex-A53*4 @ 1.5Ghz		
OS	Android 8.1/9.0		
Display	5" HD720 (720*1280) Display	/ 380cd/m (MIN), 420cd/m (TYP)	/ 5 points P.Cap. Touch Screen
Memory	2GB(~3 optional) LPDDR3	/ 16GB(~32 optional) eMMC	/ Micro SDHC slot(~128GB)
Connectivity			
LTE Modem	Embedded 4G modem enabled	T-Card Type	/ Nano*1 + T Card / Nano*2
	E-UTRA Bands	US :UMTS/HSPA+ PrimaryBands 2/5.LTE Bands :1/2/3/4/5/7/8/12/17/19/20/28A/28B/38/39/40/41	
		EU: UMTS/HSPA+ PrimaryBands 1/8.LTE Bands 1/2/3/4/5/7/8/12/17/19/20/28A/28B/38/39/40/41	
		MAX SUPPORT cat6	
	W-CDMA (UMTSFDD, UTRA-FDD)	/ Band 1, 2, 4, 5, 8	
	CDMA2000 1xEV-DO, Release 0 (TIA/IS-856)	/ EVDO BCO	
WiFi	802.11 a/b/g/n/ac/r, dual bands	/ 2.4G + 5G	
Bluetooth	BT4.2(BLE HS Compliant)		
NFC	ISO 14443 Type A and B, FeliCa, MIFARE and ISO15693 Cards		
Peripherals			
Camera	Front: 5 MP camera	/ Rear: 13 MP AF camera with LED flash light	
Audio	Integrated microphone	* 1	
	Integrated 1.5W speaker	* 1	
	3.5mm Combo stereo headphone jack	* 1	
Sensor	G-Sensor(Accelerate Sensor)	/ Ambient light sensor	/ 3-axis digital Gyroscope Sensor / Proximity Sensor
	E-Compass	/ Fingerprint	/ IRIS Scanner (optional) / Face ID (optional)
Navigation	GPS/ Glonass/ Beidou		
Notification	Voice prompt	/ Vibrator	
LED Indicator	Charging indicator	/ Barcode scanning light	/ Battery cover detect indicator
Keypad/ Button (*6)	Power button	/ Volume Up-Down Buttons	Dedicated Scan Buttons * 2 / Dedicated PTT Button * 1
Other H/W	Vibrator		
Optional Module	2D/ 1D barcode reader with physical buttons	/ Honeywell N6603 \ Zebra SE4710	
	External MSR Reader (via earphone jack)	/ External SCR (Smart Card Reader, via BT or Pjone jack)	
	External BT Thermal printer		
I/O Ports			
USB Port	USB 2.0 (Hi-Speed), Type-C	* 1	
Dock Pin / Dock Capability	Yes, 5 pins POGO connector		
SD Slot	microSD card slot (max 128G)		
SIM Socket	Nano*1 + T Card / or Nano*2		

Specification II

ITEM	DETAILED		
Power Supply			
Battery	Standard 4,000mAh, 3.7V, 14.8W	/ Charging time : < 4 Hrs	/ Talking time : 8 Hrs
	Charging temperature: 0 ~ 45°C	/ Quick charging QC3.0 or Pump Exp9V/2A(18w)	
Power IN	AC220V to DC5V micro USB connector		
Power Adapter	Input: AC100~240V, 50~60 Hz	/ Output: DC 5V/ 2A, 10W	(optional)
Quick Charging	Fully charged in 2hrs		
Mechanical & Environmental			
Dimension	158*77.5*22 mm		
Weight	~ 243g (with battery)		
Temperature	Operating : - 15°C ~ 55°C Storage : - 40°C ~ 70°C		
Humidity	Operation : 40°C ±2°C, RH95% in 48hrs Storage : 60°C ±2°C, RH95% in 60hrs		
ESD	±15kV Air Discharge / ±8kV Direct Discharge		
Durability Features			
	IP-67 level sealing	/ Water-proof	/ Shock-proof / Dust-proof
	Multiple Drops to Concrete: 1.5m Across the Operating Temperature Range		
	Raised bezel for LCD impact protection		
	I/O ports with hinged rubber covers		
Packing Information			
Mobile computing device	RT584KE	* 1	
Universal Power Adapter	5V/ 2A	* 1	
USB A - type-C USB Cable	1.2M	* 1	
QUG	Quick User Guide	* 1	



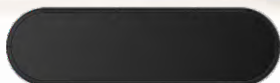
Physical Specification



Desktop Changing Cradle



Charging
POGO pin



Type-C USB port

RT584KE Cradle			
ITEM		DETAILED	
Power			
Charging output current	5V-2A/ 9V-2A/ 12V-1.5A		
Charging output voltage	DC 5V/ 9V/ 12V		
Power adapter input	AC 100-240V~50/60HZ, 0.6A		
Power adapter output	DC 5V-2A/ 9V-2A/ 12V-1.5A		
Mechanical & Environmental			
Dimension	105* 105* 30 mm		
Weight	137 g		
Drop	1.2 M		
Order Information			
DC-RT584KE	RT584KE single charger w/ package		
Remark			
1) Power adapter and USB cable for charging cradle is compatible with RT584KE device.			
2) The cradle is used for charging only.			

Desktop Charging Cradle w/ Rj45 Ethernet



RT584KE Cradle with RJ45 Ethernet		DETAILED	
ITEM			
Power			
Charging output current	5V-2A/ 9V-2A/ 12V-1.5A		
Charging output voltage	DC 5V/ 9V/ 12V		
Power adapter input	AC 100-240V~50/60HZ, 0.6A		
Power adapter output	DC 5V-2A/ 9V-2A/ 12V-1.5A		
Mechanical & Environmental			
Dimension	105*105*30 mm		
Ethernet	Ethernet RJ45 interface		
Weight	137 g		
Drop	1.2 M		
LED Indicator	Blinking blue LED showed while Cradle is in Ethernet transmission mode		
Order Information			
DCE-RT584KE	RT584KE charger w/ Ethernet RJ45		
Remark			
1) Power adapter and USB cable for charging cradle is compatible with RT584KE device.			
2) The cradle is used for charging and data transmission by USB or Ethernet.			

**(1) External SCR (Smart Card Reader)
via earphone jack or Bluetooth**



Smart Card slot

(2) External MSR via Earphone Jack



MSR slot

**(3) External Thermal Printer via USB/Bluetooth
2" & 3" models available**



Application Solutions



Express industry



Transportation



e-Finance



Warehousing



e-FMCG



Medical & Nursing