

RT5746KE - 5.7" Rugged Handset



- IP67 protection degree, withstand 1.2m height drop upon six-sides for multiple application scenarios
 - Featured for Logistic management/ Transportation/ Financial/ FMCG/ Health care/ Medicine/ Mobile law enforcement/ Warehousing/ Hospitality / Retail/ Public service applications
- Quad-core Cortax-A53 @1.5GHz, in Android 8.1 4G full net, dual cards dual standby.
- 5.7" high brightness 720* 1440 HD display & P.Cap multi-touch screen with glove sensitivity
- Large capacity battery & fast charging
 - 4800mAh battery capacity with low power consumption meets full-time work
 - Professional Type-C port support fast charging.
- Efficient data capture, dual-satellite system, & rich features for real time, precise location, & data collection
 - NFC, HF RFID data capture
 - 13MP rear-camera, 2MP front-camera, multiple sensors
 - Dual-satellite system – GPS & GLONASS
 - WiFi connected, Bluetooth 4.1 BLE
 - Optional: External MSR(Maginatc Swipe Reader)
External SCR(Smart Card Reader)

Feature II



ALL-AROUND RUGGEDNESS

- IP54 ingress resistant- 1.2m (up to 1.8m*) drop-proof following MIL-STD-810G
- Shock resistant up to 20G peaks following automotive SAE-J1455 standard
- * With protective caps.



EXCELLENT CONNECTIVITY AND DATA CAPTURE

- High-sensitivity GPS (+AGPS) + GLONASS receiver
- IEEE 802.11 b/g/n (2.4GHz)
- Bluetooth® 4.1 BLE
- NFC for wireless data exchange
- 8MP AF Rear Camera and 2MP FF Front Camera



BRILLIANT SCREEN FOR INDOOR AND OUTDOOR USE

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



FLEXIBLE MOUNTING OPTIONS

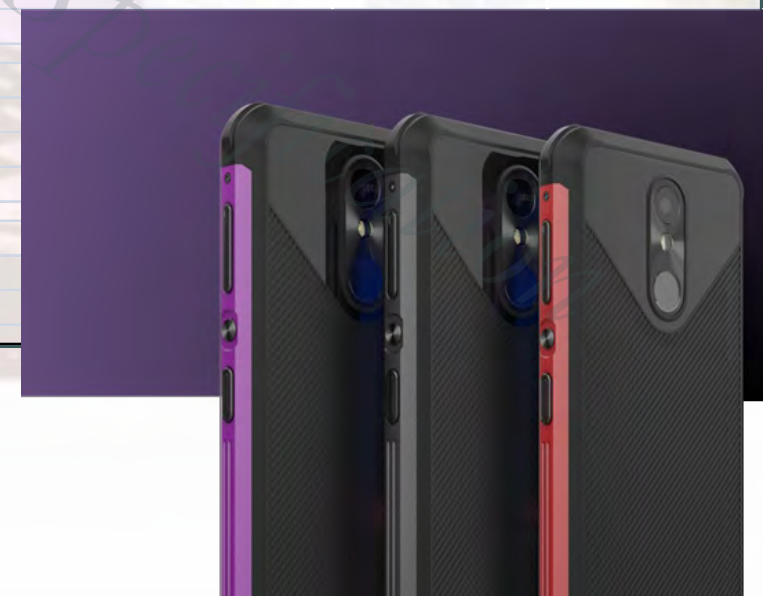
- Quick release button for out-of-vehicle use
- Charge and sync data from vehicle circuitry
- AMPS RAM-mount compatible for various scenarios

Specification I

ITEM	DETAILED		
System			
SOC	MT6739, 64-bits Quad Core ARM® Cortex®-A53, up to 1.5GHz		
	IMG PowerVR GE8100, up to 570MHz	/ Video 720P encode, H.264/ 30fps	/ Video 720P decode, H.264, H.265/ 30fps
OS	Android 8.1		
Display	5.7" WHD(720* 1440) Display, 9:18		/ 5 points Projective Capacitive Touch Screen
	2.5D Corning®Gorilla®Glass 3, w/ anti-reflection coating		
	/ Wet finger and Golve touching supported		
Memory	2GB DDR2 + 16GB eMMC (standard)		/ 3GB DDR2 + 32GB eMMC (optional)
	/ Micro SDHC slot(~32GB)		
Connectivity			
LTE Modem	Embedded 4G full-net modem enabled		/ Dual nano SIM, dual standby
			/ 2 out of 3 SIM/T card slot,Nano+Nano
	FDD_LTE		/ Band 1, 2, 3, 5, 7, 8, 20, 28
	TDD-LTE		/ Band 38, 39, 40, 41
	3G WCDMA/ HSPA+		/ Band 1 (2100MHz), Band 2, Band 5, Band 8 (900MHz)
	GSM/ GPRS/ EDGE Class 12		/ Band 850/900/ 1800/ 1900 Mhz
	CDMA 1x/ EVDO		/ BC0
	TD-SCDMA		/ Band 34, Band 39
WiFi	WiFi 802.11 a/b/g/n/ ac		/ Dual band 2.4GHz & 5GHz
Bluetooth	Bluetooth 5.0		
NFC	HF 13.56MHz RFID, R/W mode		/ ISO14443A/B, ISO15693, ISO18000-3, Mifare, FeliCa RF, Kovio, NFC Forum type 1-Adistance <= 5cm
FM	FM Radio reception via earphone		
Peripherals			
Camera	Front: 2.0 MP camera		
	Rear: 13 MP AF camera with dual LED flash light		
Audio	Integrated microphone		* 1
	Integrated speaker		* 1
	3.5mm Combo stereo headphone jack		* 1
Sensor	Accelerometer (G-sensor)		/ Light sensor
			/ Geomagnetism sensor
			/ Distance sensor
Navigation	GPS, BEIDOU, GLONASS three system positioning		
Other H/W	Finger Print		/ Vibrator
			/ LED indicator : three color
Key/ Button	5 buttons :		
Optional Module	NL E2 1D/2D barcode reader		/ CMOS >= 5 mil
			/ with physical buttons* 2
	2D barcode: PDF-417, QR Code, Data Matrix, Chinese-sensible, etc.		
	1D barcode: Code128, UCC/EAN-128, AIM 128, EAN-8, JAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleave 2/5, ITF-6, ITF-14, Deutsche 14, Deutsche 12, COOP 25, Matrix 2/5, Industrial 2/5, Standard 25, Code 39, Codabar/NW7, Code 93, Code 11, Plessey, MSI/Plessey, GS1, Databar,etc.		
	External MSR Reader (via earphone jack)		/ External SCR (Smart Card Reader, via BT or USB micro port)
	External BT/USB Thermal printer		
I/O Ports			
USB Port	Type-C USB 2.0 port (OTG)		* 1
SD Slot	MicroSD card slot		/ up to 128GB
			* 1
SIM Socket	Dual card dual standby(dual nano SIM),2 out of 3 SIM/T card slot,Nano+Nano		

Specification II

ITEM	DETAILED		
Power Supply			
Battery	Field replacable Lithium-polymer battery in 4,800mAH, 4.35V, 20.88W	/ USB type-C charging connector with fast charging supported.	
Battery Life	Up to 10 hours battery life with the following operations:		
	1. Continuous audio playback of 160-Kbps encoded MP3 files		
	2. Internet browsing by Wi-Fi while:		
	a. Browsing snapshot versions of 20 separate web pages		
	b. Using hourly push-email		
	Continuous video playback for ~9 hours		
	Standby time: 380 hours	/ Talking time: 16 hours	
Power-In (Max)	Input: AC100~240V, 50~60 Hz	/ Output: DC 5V/9V 1.67A	
Charging hours	~2 hours fast charging via type-C USB connector		
Mechanical & Environmental			
Dimension	157* 76.3* 12.6 mm		
Weight	~ 231 g (with battery)		
Operating Temp.	- 20°C ~ 50°C		/ Charging temperature: 0 ~ 45°C
Storage Temp.	- 30°C ~ 60°C		
Operating Humidity	5% ~ 95% (non-condensing)		
ESD	±12 kV (Air discharge)		/ ±8 kV (Direct discharge)
Durability Features			
	IP-67 protection degree		
	/ Waterproof	/ Shockproof	/ Dust-proof
	1.2m (4ft.) drop to concrete (for six sides, one drop each side)		
	I/O ports with hinged rubber covers		
Packing Information			
Rechargeable Li-On battery	* 1	4.35V, 4800mAh	
Micro USB Cable	* 1	1M	
QUG	* 1	Quick User Guide	
Optional Accessory List			
Multi-Bay charging cradle	* 1	/ 4-in-1 Battery Charger	
Hand Strap	* 1		



Physical Specification

Front -



Rear -



Vehicle Changing Cradle



Vehicle/Wall Mount Cradle



SRT743Q + Vehicle mount



SRT743Q mounted & Interface

Dedicated active cradle

- Quick release button for out-of-vehicle use
- Charge and sync data from most black-boxes
- Standard RAM-mount compatible for various scenarios

ITEM	DETAILED	
Physical Interface	Fleet port: 6-pin connector (Tx/Rx, IGN). Input 12/24V, Output: 5V 18-pin Pogo connector (charging/data) / headset jack, support audio out and mic in (CTIA / AHJ standard) USB 2.0 Type A* 1, host mode (5V/1A output) / Micro-B USB (charging only)	
Mechanical & Environmental		
Dimension	117.4* 107* 19.5mm	
Weight	~ 105g	
Mounting	Magnets for easy alignment of tablet and cradle Two screw holes to attach cradle to tablet (requires tool to unfix)	/ RAM mount compatible (AMPS holes)
Temperature	Operation: -20°C to +60°C * -15° operating stand-alone ; -20° operating with AC input	/ Storage: -30°C to +70°C / Charging: 0 ~ 45°C
Operating Humidity	0% ~ 95% RH (non-condensing)	
Power Interface	Cradle powered by tablet. Works without 12/24V input Option 1: Fleet port: 12/24V car power system (9~32V wide DC input, ISO-7637-2 compliant) Option 2: Vehicle car charger (5V/2A) input via micro-B USB	
Ignition	IGN=H (>2.2V), 5V ON	/ IGN=L (<0.3V), 5V OFF
Certification	FCC, IC, CE, and UN Reg. 10 (E mark), ROHS, WEEE	

Physical Specification - Vehicle Changing Cradle



* For other preferred mount stand
please check www.RAMMOUNT.com

Multi-Bay Charging Cradle

Two charging slots each unit. Multiple units linked via USB in daisy chain



**(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



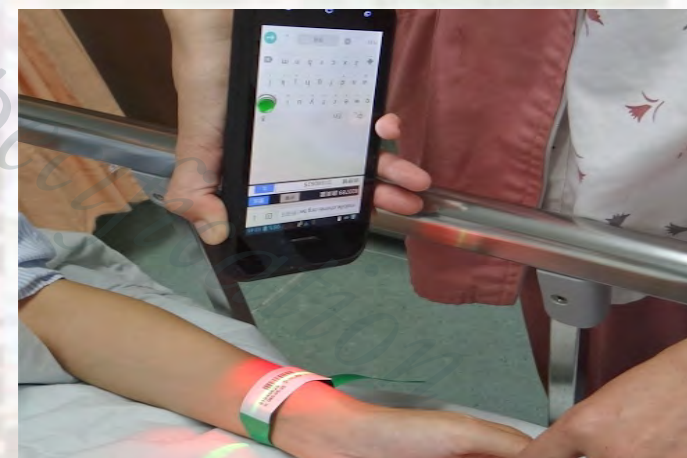
e-Finance



Warehousing



e-FMCG



Medical & Nursing