

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	To be requested for America bands
	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		
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		/ Fast charging adapter	
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 -



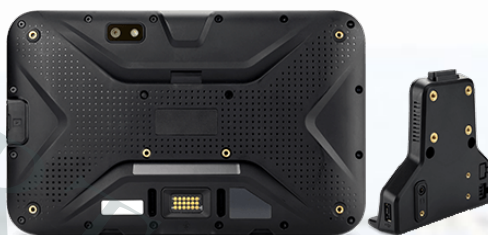
Rear -



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)	
Temperature	Operation: -20°C to +60°C / Storage: -30°C to +70°C *-15° operating stand-alone ; -20° operating with AC input	
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