

RT844KE - 8" Industrial Rugged Tablet

Industrial Rugged Tablet with IP65 sealing

- Waterproof, Shockproof, Dust-proof with advanced modules for
- Warehousing/ Transportation/ Logistic/ Retail/ Hospitality
Health Care/ Public Safety/ Manufacturing/ Construction

Quad Core high performance Cortex-A53 up to 1.3GHz, in Android 7

- Strong 3D graphic accelerator and GPU support 1080P video

8" high brightness WVGA(1280* 800) display & projected capacitive multi-touch panel with anti-reflection gorilla glass

Embedded 2D/1D barcode scanner and 5MP front camera + 13MP AF rear camera with flash light

High mobility with multiple connections & rich feature for real time data collection





- LTE, WCDMA, WiFi, Bluetooth, NFC, GPS embedded
- Optional: Embedded 2D Barcode Scanner
External MSR(Magnetic Swipe Reader)
External SCR(Smart Card Reader)



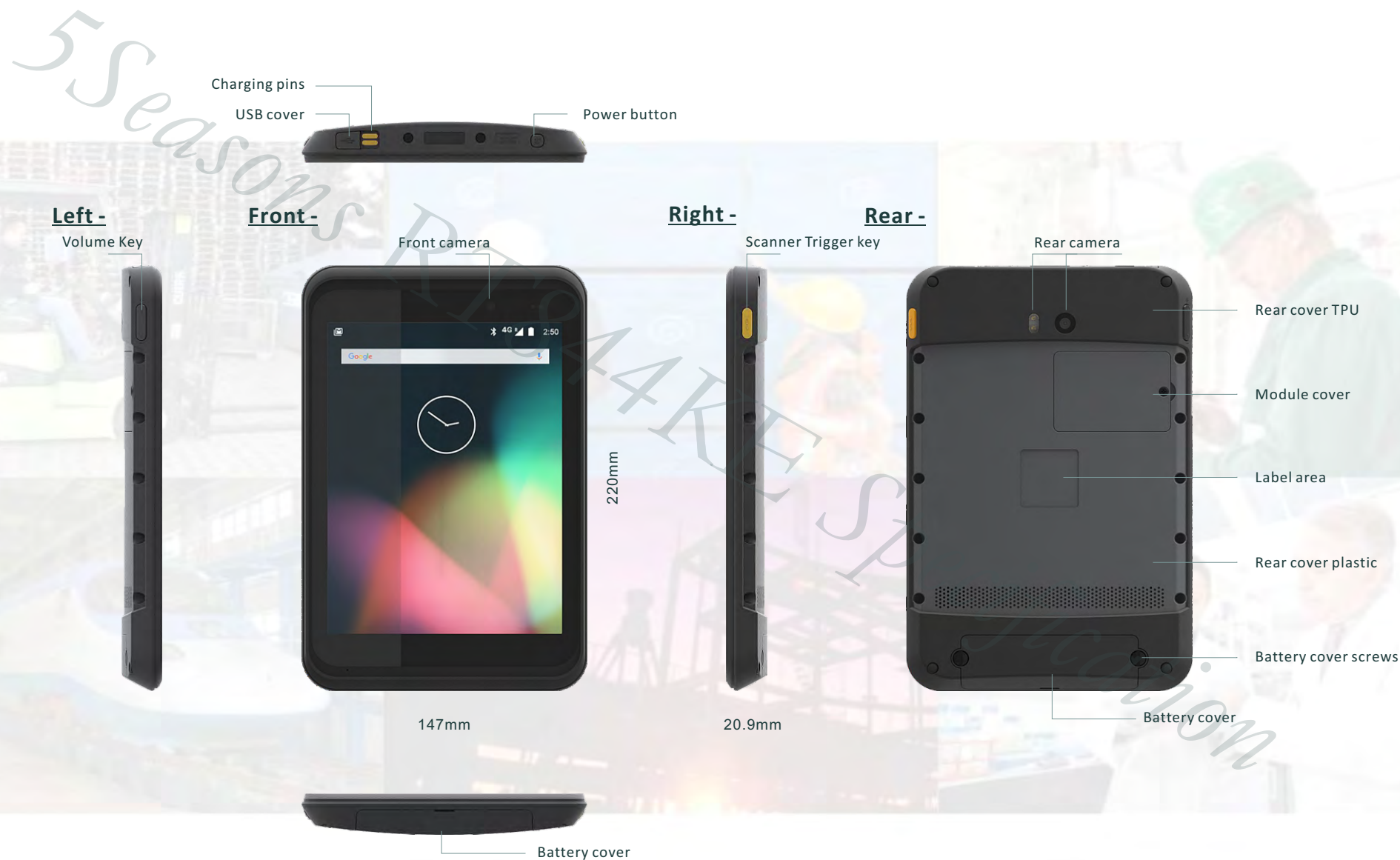
Specification I

ITEM	DETAILED				
System					
SOC	MT8735, Quad Core Cortex-A53 CPU, up to 1.3GHz				
	ARM Mali-T720 MP2 GPU; 1080P video decode/encode, 30 fps				
OS	Android 7.0				
Display	8" WVGA 1280* 800 Resolution		/ Brightness: 400 nits		/ 5 points P-Cap Touch Screen
	Corning®Gorilla®Glass 3, w/ anti-reflection coating				
Memory	3GB LPDDR2		/ 16GB eMMC		/ Micro SDHC slot(~64GB)
Connectivity					
LTE Modem	Embedded 4G modem enabled		/ Single micro SIM		(optional)
	(Option 1) WWAN (ME909s-120)				(optional)
	FDD-LTE		/ B1, B2, B3, B4, B5, B7, B8, B20		
	UMTS/WCDMA/ HSPA+		/ B1, B2, B5, B8		
	GPRS/EDGE Class 12		/ 850/ 900/ 1800/ 1900 Mhz		(optional)
	(Option 2) (NL-SWLTE-S7588-Verizon)				(optional)
	FDD-LTE		/ B2, B4, B5, B12, B13, B17		
	UMTS/WCDMA/ HSPA+		/ B2, B5		
WiFi	WiFi 802.11 a/b/g/n, dual bands				
Bluetooth	Bluetooth 4.1 (BLE, HS compliant)				
NFC	ISO 15693; ISO 14443A; ISO 14443B, B'		/ ISO 18000-3; NFC Forum Type1-4 Tag; Kovio		
Peripherals					
Camera	Front: 5.0 MP camera		/ Rear: 13 MP AF camera with LED		
	Integrated microphone jack		* 1		
Audio	Integrated speaker 1.5W		* 1		
	3.5mm stereo headphone jack		* 1		
Sensor	G Sensor		/ Magnetometer (M-Sensor/E-Compass)		/ Ambient light sensor / Gyroscope / Barometer
Navigation	GPS/Glonass (Default)		/ GPS/Beidou (Option)		
Other H/W	Vibrator				
Functional keys	Power button		/ Vol +/-		/ Scanner Trigger
	2D/1D barcode reader(N6603, optional TBD) with physical trigger buttons				
Optional Module	External MSR Reader via earphone jack			/ External Smart Card Reader (via BT or Pjone jack)	
	External BT thermal printer				
I/O Ports					
USB Port	Micro USB 2.0 port (OTG)		* 1		/ USB 2.0 port High Speed / OTG Compatible.
SD Slot	microSD card slot		* 1		/ Max 64GB

Specification II

ITEM	DETAILED		
SIM Socket	micro-SIM (3FF) socket	* 1	/ supporting 2G/3G/LTE
Expansion	PoGo pin slot	* 1	/ Extra power pins for vehicle bracket ; 5V/2A only
		* RT844KE can plug 9V/2A and 5V/2A to the USB connection for charging	
		* For pogo pin, the charge voltage is 5V/2A only.	
Power Supply			
Battery	Field replacable Lithium-ion battery	/ 6,200mAH, 3.8V, 23.56W	/ ~4 hours via USB connector by 5V/2A
Battery Life	Up to 12 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 8 hours		
Power Adapter	Input: AC100~240V, 50~60 Hz	Output: DC power output: 9V/2A, 5V/2A	(optional accessory)
Mechanical & Environmental			
Dimension/Weight	220* 147* 20.9 mm	/ 550g (1.22 lb / with battery)	
Operating Temp.	-10°C ~ 55°C (14°F ~ 131°F)	/ Charging temperature: 0 ~ 45°C	
Storage Temp.	-20°C ~ 65°C (-4°F ~ 149°F)		
Operating Humidity	5% ~ 95% RH (non-condensing)		
Durability Features			
	IP-65 certified	/ MIL-STD-810G compliant (to be defined)	
	/ Waterproof	/ Shockproof	/ Dustproof
	1.2 m (4 ft.) drop-resistance		
	Raised bezel for LCD impact protection		
	I/O ports with hinged rubber covers		
Accessory			
Battery	* 1	/ Rechargeable Li-ion battery pack	/ 6,200mAH, 3.8V, 23.56W --> 
USB cable	* 1	/ 1M	--> 
Quick Start Guide	* 1	/ Quick Start Guide	
Optional Accessory			
V-Dock with Cigarette Lighter Power Adapter			--> 
Battery Adapter			--> 

Physical Specification



Dimension: 220* 147* 20.9mm

Vehicle Charging Docking



RT843KE Vehicle Charging Docking			
ITEM	DETAILED		
Mechanical & Environmental			
Dimension	257.5* 167* 58		
Weight	~ 486g		
Charging Temp.	32°F ~ 113°F (0°C ~ 45°C)		
Power			
Charging Connector	Pogo pin		
Charger Volt./ current	Input: 12/24VDC	/ Output: 5V DC, 3A	/ Fuse Rated: 32V , 2A
Order Information			
VCD-RT843KE	V-Dock with Cigarette Lighter Power Adapter for RT843KE		

Peripheral

(1) External SCR (Smart Card Reader) via and 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



Public Security



Healthcare



Fleet Management



Warehousing

