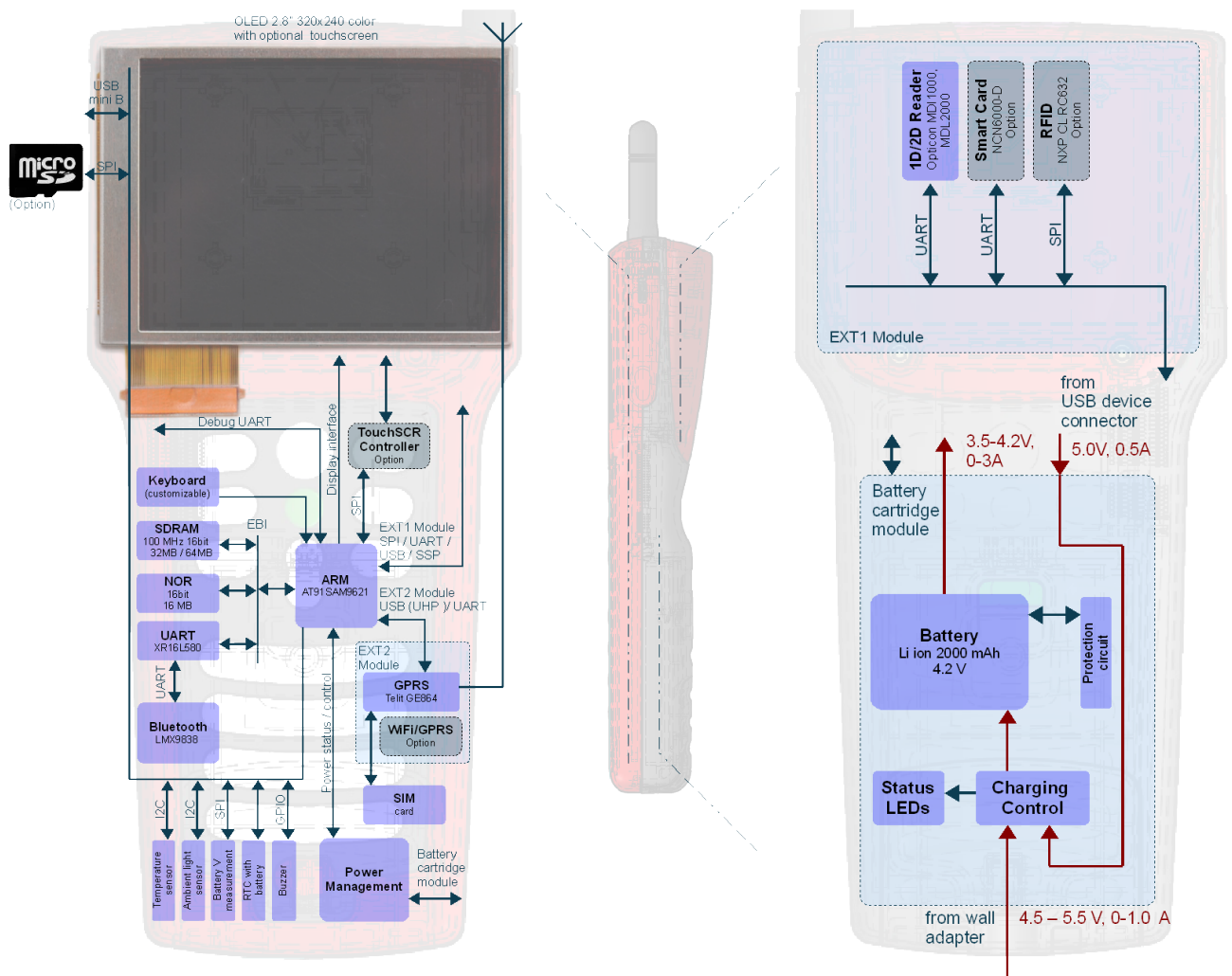


# TS8 mobile barcode and RFID scanner hardware specifications

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## Hardware composition



\* This drawing represents various hardware options. Those marked "Optional" in grey are not included by default.

## Key parameters

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Parameter	Value
Dimensions	194/78/32 L/W/H (mm)
Weight	250 g
Operating temperatures	-5 to +55 Celsius

## Main unit

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CPU	AT91 ARM uC, 190MHz
SDRAM	32 MB PC100
NOR Flash	16 MB Embedded Flash
Screen	2.8" colour OLED QVGA landscape, 320x240 pixels, 65000 colours, 10000:1 contrast
Keyboard	23 button sealed backlit keypad
Sensors	Temperature sensor, ambient light sensor, battery voltage sensor
Buzzer	

## Reader modules

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1D barcodes	EAN, Code39 and Code128
RFID	13,56 MHz

## Communications modules

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GPRS modem	Telit GE864-Quad
WLAN card	Ralink RT3070 chipset
Bluetooth network module	Bluegiga WT11i

## Battery

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Chemistry	Lithium Ion Polymer
Capacity	2000 mAh
Charging voltage	5V DC
Charging current from USB	up to 500 mA
Charging current from charger	up to 1 A

## Interfaces

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Interface	Type	Description
USB device port	mini-A USB socket	Used for device's mass storage mode (file transfer), USB communications (USB network interface, USB serial interface) and battery charging
Memory card socket	microSD	For external storage
Service header	6-pin	Device console and boot mode selection in same connector
Reader module connector	Custom	For connecting SPI, UART, USB interfaces to a reader module
Bluetooth	2.0	Connects peripheral equipment via serial port
TCP/IP networking	GPRS, WLAN, Bluetooth	Device communications
Charging port in the battery	EIAJ-02	For charging with power supply