

T7H Product Definition V1.4	
HW specification	
Application processor	■ RK3066A Cortex A9 Dual core 1.6Ghz
Operating system	■ Android 4.1 (Jelly Bean)
Memory	■ DDR3
	■ Supports both 1 & 2GByte, POR support for 1GB
Audio	■ Integrated audio, Beats certified
	■ Dual speakers with cavity
	■ Microphone with echo cancellation
Storage	■ eMMC
	■ Up to 32G Byte mass storage memory, POR support for 8GB
Bluetooth	■ Bluetooth 2.1+EDR
Wireless LAN	■ IEEE 802.11b/g/n
WWAN	■ Not required
Antenna	Bluetooth + WIFI Antenna: 2.4G band
Display	■ 7" TFT LCD (HFFS technology)
	■ 1024 x 600
	■ LVDS interface
	■ 24-bit color depth
Touch-screen	■ $\geq 80/80/80/81$ viewing angle
	■ Capacitive touch panel,5 point
Camera	■ Front 0.3 MP web camera, fixed focus, ISP tuned
	■ Rear 3MP, fixed focus, ISP tuned, no flashlight, shuttle delay 600ms
Battery	■ Li-ion Battery(1S1P)
	■ 3620mAh min. (rated 3500 mAh),3.7V
	■ Battery Life:>5 hrs 720p video playback tested at 100 nit
AC-Adapter	■ 100~ 240V AC, 50/60Hz(TBD)
	■ 5V,2A(charging time < 3hrs when system is off, BC 1.2 compatible)
	■ USB charging with detection of different power source:1.AC Adapter 2A; 2.Industry standard USB charger 1A;3.or PC USB port 0.5A)
I/O Port	■ DC-in*1
	■ Audio jack*1(3.5mm 3-pole Headphone Jack)
	■ Micro USB 2.0*1(USB micro AB Jack ,OTG not required, with USB charging)
	■ Card-reader slot*1: Micro SD
Card Reader	■ SD2.0 up to 32G
Speaker/MIC	■ Build-in 2 speakers: 0.5W
	■ Internal Microphone support *1
Sensors	■ 3-axis Accelerometer
LED Indicator	■ Not required
Key	■ Power button *1(Physical keys)
	■ Volume Up*1(Physical keys)

	<ul style="list-style-type: none"> ■ Volume Down*1(Physical keys)
Keyboard	<ul style="list-style-type: none"> ■ N/A
Physical Outline	<ul style="list-style-type: none"> ■ Dimension: <=10.9 mm thickness 197mm x 115.8mm
	<ul style="list-style-type: none"> ■ Weight: <=370g with battery.
Operation Temperature	<ul style="list-style-type: none"> ■ 0 to +40 deg C
Drop	<ul style="list-style-type: none"> ■ Wooden plate, 75cm, 6 faces/1 drops per face, total 6 drops
Certification	<ul style="list-style-type: none"> ■ FCC, CE, CB, UL, C-TICK, google certification (TBC)
	<ul style="list-style-type: none"> ■ WiFi log, BQB (TBC)
Accessory	<ul style="list-style-type: none"> ■ Adapter
	<ul style="list-style-type: none"> ■ data cable
Note:The WIFI and Bluetooth use the same antenna and can not transmitting synchronously.	
SW specification: Android 4.1 Jelly Bean compatibility	

Rated Average Power:

IEEE802.11b/g: 13dBm

IEEE802.11n HT20/HT40: 12dBm

Bluetooth V2.1+EDR: 3 ± 1 dBm