

***Pokini* TAB A10**

Specification

Display & Touch

Display

Diagonal size	10.1" / 25.6cm
Resolution	WUXGA (1920 x 1200 px)
Number of colors	16.7M
Contrast	800:1
Brightness (typ.) measured with TP	350 cd/m ²
Brightness (typ.) – LCD only	380 cd/m
Viewing angle (up/down and left/right)	170°
Display type	AHVA
Display lifetime (till 50% brightness)	typ. 15,000 h

Touch

Type	Capacitive
Number of simultaneous points	10
Passive pen support	Yes, also thin-tip supported
Active pen support	Atmel active pens supported*
Touch with gloves	Yes, supported**
Palm rejection	Yes, for active pen

* from March 2015

** max. material thickness 2 mm, depends on type of glove

Cover Glass

1.3mm Gorilla Glass Type 3

Operating System

Supported operating systems

- Windows 8.1 Standard 32/64 bit
- Windows 8.1 Pro 32/64 bit
- Windows Embedded 8.1 Industry Pro for Small Tablets (ESD) 32/64 bit
- Android 4.4 – Kitkat (different HW variant!)
- Android 5.0 – Lollipop (different HW variant!)

LTE Modem

Micro SIM cards are supported

Nano-to-Micro SIM card adapters are NOT supported and shall not be used!

LTE versions

Huawei ME936

- LTE:FDD Band 1,2,3,4,5,7,8,13,17,20, all bands with diversity
- 2 Versions, LTE EU and LTE US. Both use the same LTE module. Antennas are tuned for US or EU used LTE bands
- WCDMA/HSDPA/HSUPA/HSPA+:Band 1,2,4,5,8, all bands with diversity
- GSM/GPRS/EDGE: 850/900/1800/1900MHz
- Certifications: CE for LTE EU variant and FCC/PTCRB for LTE US variant
- <http://consumer.huawei.com/en/solutions/m2m-solutions/products/tech-specs/me936-en.htm>

LTE version for Japan

Huawei ME906J

- LTE:FDD Bands 1, 19 & 21, all bands with diversity
- WCDMA PS/UMTS/HSPA/HSPA+/DC-HSPA+:Band 1,5,6,19, all bands with diversity
- Certifications: GCF, TELEC/JATE
- Operator TA: KDDI, NTT DOCOMO
- <http://consumer.huawei.com/en/solutions/m2m-solutions/products/tech-specs/me906j-en.htm>

Sierra Wireless EM7355

- US LTE version
- LTE:FDD Band 2,4,5,13,17,25
- WCDMA/HSDPA/HSUPA/HSPA+:Band 2,4,5
- GSM/GPRS/EDGE: 850/900/1800/1900MHz
- EVDO: BC1, BC10, (BC0)
- Certifications: CE, FCC, PTCRB

Platform, Memory & Connectivity

Processor	Intel Atom™ Z3745 Quad-core 1.8 GHz Optional: Z3795 quad-core with 2.3 GHz
Video features	Intel HD Graphics Intel Quick Sync Video Intel Insider™ Intel Wireless Display Intel Clear Video HD External display support: Up to 1920x1080 px, 60Hz Intel Wireless Display
Memory	2 GB (4GB optional) LPDDR3-1067 64bit 2-ch Up to 17.1GB/s peak memory bandwidth
Storage	64 GB (32GB / 128 GB optional) eMMC v4.51 – TLC Lifetime 20TB
MicroSDXC cards	Up to 2 TB cards supported
Wireless connectivity	WLAN IEEE 802.11 a/b/g/n 2x Dual band WiFi antenna Bluetooth 4.0 + HS (class 2 or 1 up to 7dBm) Bluetooth profiles: depends on operating system
GNSS	GPS / GLONASS TTFF cold start <30s@-130dBm Warm start <30s@-130dBm Hot start <5sec@-130 dBm GPS Sensitivity Acquisition: -147 dBm Tracking: -158 dBm
NFC (supported formats depend on used OS)	P2P: ISO 18092 Reader/Writer: ISO 14443 –A-B, MIFARE, FeliCa®, ISO 15693, NFC Forum Tag Types 1 to 4 Card emulation: ISO 14443 –A-B-B', MIFARE, FeliCa RF Distance up to 3 cm
Sensors	Compass Gyroscope Accelerometer Ambient light sensor SAR Proximity sensor
Security	Intel OS Guard (SMEP) Intel Secure Key (PPDRNG) Intel Platform Trust Technology (fTPM) Trusted Platform Module (TPM) 2.0 Secure Boot

	Requires processor Z3795: Intel Anti-Theft Intel Identity Protection Technology - One Time Password - Protected Transaction Display - NFC eCommerce (Tap-n-Pay) Wireless Credential Exchange Technology
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Cameras

Front Camera

Resolution	2MP
Focus type	Fixed-focus
f-number / aperture	f/2.0
Focal length	2.01 mm
Focus area, focus distance	0.29 m to 1.72 m, 50 cm
Flash	NONE
Image resolution & file types	1920 x 1080 px JPEG
Video modes	1080p (FullHD, 1920 x 1080) Frame rate 30 fps

Rear Camera

Resolution	8MP
Focus type	Auto-focus
f-number / aperture	f/2.2
Focal length	3.69 mm
Focus area, focus distance	10 cm
Flash	Yes
Image resolution & file types	3280 x 2464 px JPEG
Video modes	1080p (FullHD, 1920 x 1080) Frame rate 30 fps

Interfaces

Bottom connectors	Docking connector with USB 3.0 & HDMI data lines Charging pads (for use in docking station) & pads for device identification
Side connectors	USB 2.0 MicroUSB (for charging) 3.5mm stereo headphone / microphone audiojack MicroSDXC card slot
Audio	Stereo speakers at the bottom Acoustic level PEAK = 88.5 dB SPL (A-weighting) Acoustic level AVERAGE = 87.5 dB SPL (A-weighting) Test condition: 10cm distance from the measurement microphone in free field conditions. Measure maximum sound pressure level by using sine sweep @ 0dBFS level.
USB current	Max. 900 mA shared for all ports

Hard keys

Volume Up/Down	Rocker key for volume adjustment Mechanical durability min 20k cycles
Power button	<p>Power ON Short press (>0.01 sec) required to power ON the device.</p> <p>Sleep Short press (less than 3 sec) required to wake up / enter to sleep.</p> <p>Shutdown window opening (Win 8.1) Long press (3 – 10 sec) required to open the shutdown window.</p> <p>Forced shutdown (HW reset) Holding down the power key more than 10 sec will performed forced shutdown. <i>Note : These are the values for typical configuration but might change based on PMIC configuration / BIOS settings.</i></p> <p>Mechanical durability min 20k cycles</p>

Windows key	Capacitive button <ul style="list-style-type: none"> - Palm rejection - Swipe not detected as touch - Haptic feedback (vibrator) - Active during sleep
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Charging Pads Rating

	Min	Typ	Max
Operating Voltage Range	4.9V	12V	17V
Absolute max. voltage			25V
Input current	0A	2A	2A
Input power	0W	15W	24W
Under voltage threshold	4.5V		
Over voltage threshold	16.6V	17V	17.3V

Battery Management

Battery model	IN02040008
Battery type	Li-Polymer
Capacity	33 Wh (8700 mAh / 3.8 V)
Charge temperature range	0° to 45°C
Removable battery	Yes
Battery status indicator LED	Yes, on battery
Charging status indicator LED	Yes, on front of device
Operating time (may vary based on use scenario)	Up to 12 hours
Stand-by time	Up to 25 days in connected stand-by
Charging time (in stand-by)	Docking station: 0 - 90% in 2.5 hours, to 100% in approx. 3.5 hours USB charger: 0 - 90% in 4 hours, to 100% in approx. 5.5 hours

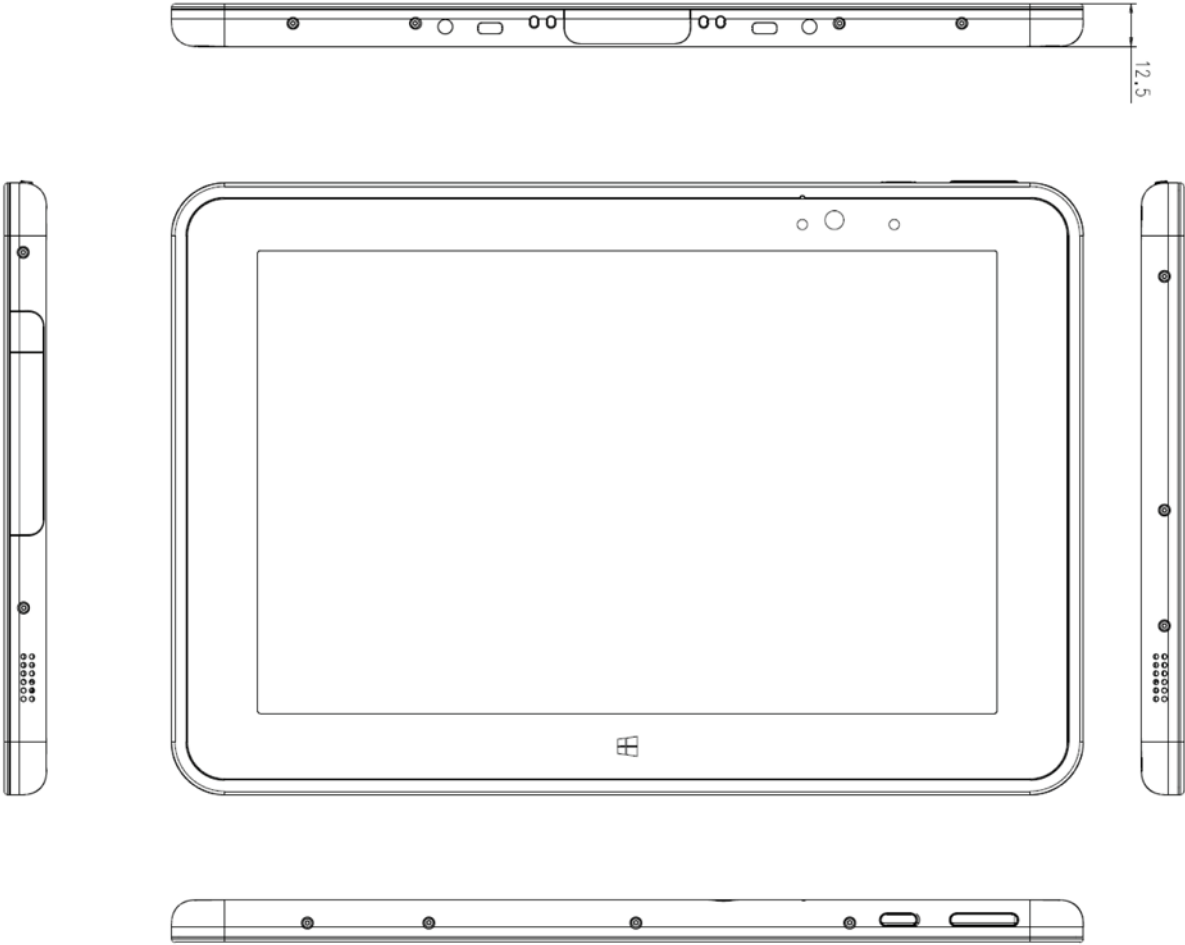
Maximum Values

Operating temperature range	-10°C to +50°C
Storage temperature range	-20°C to +60°C
Operating humidity	10% to 90%
Max. drop height	1 m
Vibration & Shock	<p>Operating: Gms: 1.9gRMS Frequency: 10-1000Hz</p> <p>Non-Operating: Gms: 4.1gRMS Frequency: 10-1000Hz</p> <p>Test duration: 1 hour per each direction (x,y,z)</p>

Mechanical

Dimensions (W x H x D)	269.04 x 180.66 x 12.7 mm ±0.50 ±0.50 ±0.30 mm
Weight	Approx. 755 g
Weight	Tested for IP 65 (dust tight, water jet protection) <i>Only applies if all connector doors and battery cover are closed properly and no deformation of housing (e.g. after corner drops) is present</i>
Others	<p>Kensington lock (at the bottom)</p> <p>Four mechanical fixing points (screw holes) at the back (holes sealed with thin plastic)</p> <p>Four mechanical fixing points inside the battery compartment</p> <p>Holes for guiding pins for docking at the bottom</p>

Drawings



Drawings

