

***Pokini***

# POKINI TAB A5

## Specifications



# ***Pokini***

|                                      |   |
|--------------------------------------|---|
| Change History .....                 | 2 |
| Display & Touch .....                | 4 |
| Operating System .....               | 5 |
| 3G / LTE Modem .....                 | 5 |
| Platform, Memory & Connectivity..... | 6 |
| Cameras .....                        | 7 |
| Interfaces .....                     | 8 |
| Battery Management.....              | 8 |
| Maximum Values .....                 | 9 |
| Mechanical .....                     | 9 |

## Display and Touch

### Display

|   |                             |
|---|-----------------------------|
| Diagonal size                             | 4.67" / 11.85cm             |
| Resolution                                | HD (720 x 1280 px)          |
| Number of colors                          | 16.7M                       |
| Contrast                                  | 1000:1                      |
| Brightness (typ.) – measured with TP      | above 450 cd/m <sup>2</sup> |
| Brightness (typ.) – LCD only              | ca. 500 cd/m <sup>2</sup>   |
| Viewing angle (up/down and left/right)    | 160°                        |
| Display type                              | IGZO (new mode 2)           |
| Display lifetime (till 50% of brightness) | min. 10,000 h               |

### Touch

|                               |                  |
|-------------------------------|------------------|
| Type                          | Capacitive       |
| Number of simultaneous points | 5                |
| Passive pen support           | Yes              |
| Touch with gloves             | Yes, supported** |

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

### Cover Glass

0,7mm Gorilla Glass Type 3



## Operating System

### Supported operating systems

- Windows Embedded 8.1 Industry Pro 32/64 bit
- Android 4.4 (*different HW variant!*)

## WWAN

Micro SIM cards are supported.

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

## LTE version

- Huawei ME936
- LTE:FDD Band 1,2,3,4,5,7,8,(13),(17),20, all bands DL 2\*2 MIMO
- WCDMA/HSDPA/HSUPA/HSPA+:Band 1,2,4,5,8, all bands with RX diversity
- GSM/GPRS/EDGE: 850/900/1800/1900MHz
- Certifications: CE
- <http://consumer.huawei.com/en/solutions/m2m-solutions/products/tech-specs/me936-en.htm>



## Platform, Memory & Connectivity

|                       |   |
|-----------------------|---|
| Processor             | Intel Atom™ Z3745<br>Quad-core 1.8 GHz<br>Optional: Z3795 quad-core with 2.3 GHz  |
| Video features        | Intel HD Graphics<br>Intel Quick Sync Video<br>Intel Insider™<br>Intel Wireless Display<br>Intel Clear Video HD<br><br>External display support:<br>Up to 1920x1080 px, 60Hz<br>Intel Wireless Display  |
| Memory                | 2 GB (4GB optional)   |
| Storage               | Android SKU: 32 GB (64GB / 128 GB optional)<br>Windows SKU: 64 GB (32GB / 128 GB optional)  |
| MicroSDXC cards       | Up to 2 TB cards supported  |
| Wireless connectivity | WLAN IEEE 802.11 a/b/g/n<br>2x Dual band WiFi antenna<br>Bluetooth 4.0 + HS (class 2 or 1 up to 7dBm)<br>Bluetooth profiles: depends on operating system<br>GPS / GLONASS   |
| NFC                   | P2P: ISO 18092<br>Reader/Writer: ISO 14443 –A-B, MIFARE, FeliCa®, ISO 15693, NFC Forum Tag Types 1 to 4<br>Card emulation: ISO 14443 –A-B-B', MIFARE, FeliCa RF<br>Distance up to 3 cm  |
| Sensors               | Compass<br>Gyroscope<br>Accelerometer<br>Ambient light sensor<br>Proximity sensor   |
| Security              | Intel OS Guard (SMEP)<br>Intel Secure Key (PPDRNG)<br>Intel Platform Trust Technology (fTPM)<br>Trusted Platform Module (TPM) 2.0<br>Secure Boot<br><br>Requires processor Z3795:<br>Intel Anti-Theft<br>Intel Identity Protection Technology <ul style="list-style-type: none"><li>- One Time Password</li><li>- Protected Transaction Display</li><li>- NFC eCommerce (Tap-n-Pay)</li></ul> Wireless Credential Exchange Technology |

## 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<br>JPEG                           |
| Video modes                   | 1080p (FullHD, 1920 x 1080)<br>Frame rate 30 fps |

### Rear Camera

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

## Interfaces

|                   |  |
|-------------------|--|
| Bottom connectors | Docking connector with USB 3.0 & HDMI data lines<br>Charging pads (for use in docking station) |
| Side connectors   | µUSB<br>3.5mm stereo headphone / microphone audiojack  |
| Audio             | Speaker<br>Receiver  |

## 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   | AMME2675   |
| Battery type  | Li-Ion Polymer   |
| Capacity  | 15.2 Wh (4000 mAh/3,8V)  |
| Charge temperature range                                  | 0° to 40°C   |
| Removable battery   | Yes  |
| Charging status indicator LED                             | Yes, on front of device  |
| Operating time<br>(may vary based on use scenario and OS) | Up to 8 hours  |
| Stand-by time   | Up to 10 days in connected stand-by WLAN   |
| Charging time (in stand-by)                               | Charging station: 0 - 90% in 2 hours, to 100% in approx. 3 hours.<br>USB charger: 0 - 90% in 3 hours, to 100% in approx. 4 hours |

## Maximum Values

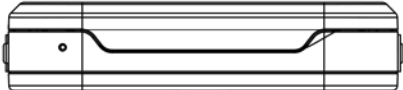
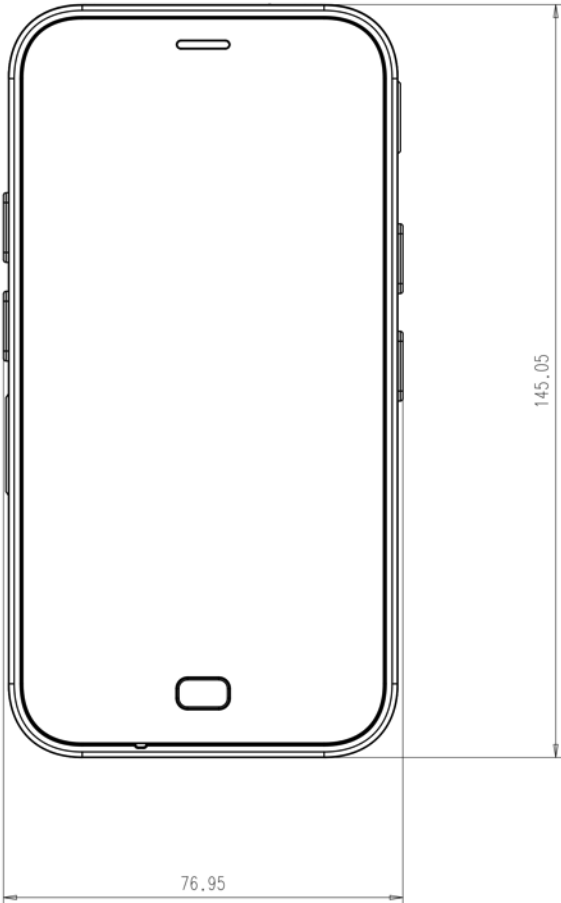
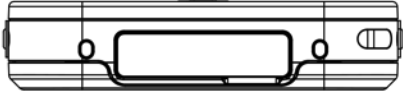
|                             |  |
|-----------------------------|--|
| Operating temperature range | -20°C to +45°C   |
| Storage temperature range   | -30°C to +60°C   |
| Operating humidity          | 10% to 90%   |
| Max. drop height            | 1.5 m  |
| Vibration & Shock           | Operating:<br>Gms: 1.9gRMS<br>Frequency: 10-1000Hz<br><br>Non-Operating:<br>Gms: 4.1gRMS<br>Frequency: 10-1000Hz<br><br>Test duration: 1 hour per each direction (x,y,z) |

## Mechanical

|                        |   |
|------------------------|---|
| Dimensions (W x H x D) | 75 x 145 x 17 mm  |
| Weight (without modem) | Approx. 254 g   |
| IP class               | Tested for IP 65<br>(dust tight, water jet protection)<br><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                 | Lanyard option  |



## Drawings



***Pokini***

