

# ***Pokini***

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## Display & Touch

### Display

Diagonal size	8.3" / 21cm
Resolution	WUXGA (1920 x 1200 px)
Number of colors	16.7M
Contrast	800:1
Brightness (typ.) – measured with TP	350cd/m <sup>2</sup>
Brightness (typ.) – LCD only	380cd/m <sup>2</sup>
Viewing angle (up/down and left/right)	160°
Display type	IPS
Display lifetime (till 50% of brightness)	min. 15,000 h

### Touch

Type	Capacitive
Number of simultaneous points	10
Passive pen support	Yes also thin - tip supported
Touch with gloves	Yes, supported
Palm rejection	Yes

### Cover Glass

1.3mm Gorilla Glass Type 3

## Operating System

Supported operating systems

- Windows 8.1 Standard 32 bit
- Windows 8.1 Pro 32 bit
- Windows 8.1 Standard 64 bit\*
- Windows 8.1 Pro 64 bit\*
- Windows 8.1 embedded
- Windows 8.1 embedded RETAIL
- Android 4.4

\*Optional

## 3G / LTE Modem

Micro SIM cards are supported.

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

### 3G version

- Huawei MU736
- WCDMA/HSDPA/HSUPA/HSPA+: 850 MHz/900 MHz/1700 MHz (AWS)/1900 MHz/2100 MHz
- GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz
- Certifications: CE, FCC, PTCRB and GCF
- <http://consumer.huawei.com/en/solutions/m2m-solutions/products/tech-specs/mu736-en.htm>

### LTE version

- Huawei ME936
- EU LTE version, Antennas tuned most for EU used bands
- 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>
- Optionally can support LTE US and Japan versions, bands will be tbd.

## 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 1920x1080px, 60Hz Intel Wireless Display
Memory	2 GB (4GB optional)
Storage	64 GB (32GB / 128 GB optional)
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 GPS / GLONASS
NFC	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 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 AntiTheft 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 cm 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
Camera min. focus range	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

## Battery Management

Battery model	IN02040007
Battery type	Li-Po
Capacity	22.4Wh (5900mAh/3,8V)
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 10 hours
Standby time	Up to 20 days in connected stand by, up to 28 days in flight mode
Charging time (in stand-by)	Dockingstation: 0 - 90% in 2 hours, to 100% in approx. 3 hours USB charger: 0 - 90% in 35 hours, to 100% in approx. 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 (with Rugged Frame 1.8 m)
Vibration & Shock	Random vibration: 5Hz: 0.10m <sup>2</sup> /s, 12Hz: 2.20m <sup>2</sup> /s <sup>3</sup> , 20Hz: 2.20m <sup>2</sup> /s <sup>3</sup> , 200Hz: 0.04m <sup>2</sup> /s <sup>3</sup> , 500Hz: 0.04m <sup>2</sup> /s <sup>3</sup> , Duration: 2 hours in each direction (X,Y,Z). Temperature: 23 ± 5°C, 35...70%RH.

## Mechanical

Dimensions (W x H x D)	227.8 x 150.1 x 12.5 mm
Weight	Approx. 540g
IP class	Tested for IP 65 (dust tight, water jet protection) Only applies if all connector doors and battery cover are closed properly and no deformation of housing (e.g. after corner drops) is present
Others	Kensington lock (at the bottom) Three mechanical fixing points (screw holes) at the back Four mechanical fixing points inside the battery compartment Holes for guiding pins for docking at the bottom

## Drawings





