Personal Systems Reference
Lenovo® IdeaTab™ Tablets
2012 - 2013 Withdrawn

Last Update: April 2014 - Version 452

Visit www.lenovo.com/psref for the latest version
IdeaPad Tablet A1
SIM card slot only on WWAN models

IdeaPad Tablet A1
White and Blue

IdeaPad Tablet K1
Black

IdeaPad Tablet A1
Black

IdeaPad Tablet A1
<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>GHz</th>
<th>Cores</th>
<th>Memory</th>
<th>Widescreen display</th>
<th>Camera Front/rear (Megapixel)</th>
<th>Graphics</th>
<th>Storage</th>
<th>WiFi 802.11</th>
<th>Back color</th>
<th>Bluetooth</th>
<th>Battery</th>
<th>GPS</th>
<th>WWAN</th>
<th>OS preload</th>
<th>preload</th>
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<td>Cortex-A8</td>
<td>1.0</td>
<td>Single</td>
<td>512MB</td>
<td>7.0&quot; LED 0.3M/3.0M</td>
<td>PowerVR SGX530 16G</td>
<td>11b/g/n/ Pink BT2.1</td>
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</tbody>
</table>

- 7.0" Touchscreen tablet with multi-touch
- Ultraportable: just 11.95mm thin and less than 400g weight (vary by configuration), in four attractive colors
- The magnesium alloy Roll-Cage internal frame protects the hard drive and other critical system components
- Supports the latest Flash 10.2 providing better web surfing and video experience
- Lenovo App Shop and Android Market ensure ready access to thousands of useful apps
- Award-winning Lenovo Services to keep you on-line and on-the-go

Positioning Touchscreen tablet

Processor ARM Cortex-A8 processor (1.0 GHz, single-core), 256KB L2 cache
Memory 512MB std / 512MB max / 200MHz LPDDR, mobile DDR memory, single-channel capable, no sockets
Storage extension 2GB or 16GB / eMMC (embedded Multi Media Card) NAND flash memory on board one microSD Card slot

Graphics PowerVR SGX530 graphics integrated in TI OMAP3622, provides dedicated 2D/3D graphics hardware accelerator, uses system memory, OpenGL ES 2.0
Display TFT color, Twisted nematic (TN) technology, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170 pixels per inch (ppi)

Multi-touch Multi-touch, supports 2-point
Camera Front camera: 0.3-megapixel, fixed focus
Rear camera: 3.0-megapixel, fixed focus
Video capture 480p video capture (rear camera)
Audio support High Definition (HD) Audio, Texas Instruments™ (TI) TLV320AIC3110 codec / mono speaker (1 watt x 1) / analog microphone

Media capable Audio formats: MP3, WAV, Ogg
Video formats: MP4, 3GP, AVI, RMVB

Keyboard Virtual keyboard via Android, portrait and landscape support
Control buttons Menu, home, back, volume up, volume down, and power buttons, G-sensor lock (rotation on/off switch)
Light sensor Ambient Light Sensor
G-sensor Accelerometer (G) sensor, supports 3-axis accelerometer
Gyroscope None
ECompass None

Platform Texas Instruments (TI) OMAP™3622

WLAN 11b/g/n wireless®, Broadcom® BCM4329, WIFI+Bluetooth Combo Chip
WWAN None
SIM card None
GPS GPS, Broadcom BCM4751
Bluetooth Bluetooth 2.1+EDR wireless, integrated in Broadcom BCM4329 combo chip

Dimensions (WxDxH): 7.7" x 4.9" x 0.47"; 195mm x 125mm x 11.95mm
Weight: WLAN model: less than 0.88 lb (400 g)

Case color Top: Black frame; Bottom: White (high gloss), black (high gloss), pink (high gloss), and blue (high gloss) with Aluminum look frame
Case material Top: Glass cover; Bottom: PC/ABS Magnesium alloy Roll-Cage internal frame
Battery - type Lithium Ion, 1-cell (3550mAh)
Battery - life up to approximately 7 hr (web browsing via WiFi)

Preloaded operating system
- Some: Android™ 2.3 (Gingerbread)
- Some: Android 4.0 (Ice Cream Sandwich)

Preloaded applications (only some listed)
- All models
  - Lenovo App Shop
  - Documents To Go
  - Kindle
  - mSpot
  - ES File manager
- Android 2.3 models
  - Lucky Launcher
  - GoTouch
  - NavDroid
  - eBuddy Messenger
  - Android 4.0 models
    - Norton™ Mobile Security
    - imo.im
    - Cut the Rope

Limited Warranty

1-year Mail-in repair service for covered HW repairs only
Available Warranty Extension:
- 2-year Mail-in repair service, 2-year (total duration) warranty extension 04W8188
- 24x7® toll-free support for warranty issues during the warranty period via 877-453-6686

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**IdeaPad Tablet K1 (1304) - withdrawn**

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<th>GPS WWAN</th>
<th>OS preload</th>
<th>Preloadable applications</th>
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- 10.1" Touchscreen tablet with multi-touch
- Ultra-portable and just 13.3mm thin and 740g weight (vary by configuration), with aluminum rear-casing in multiple attractive colors
- Preload Adobe Flash player 10.2, full support for Flash content
- 1080p playback via micro HDMI port
- Lenovo SocialTouch to manage all your social networking engagements on a single easy-to-use interface
- The latest Digital Rights Management allows users to download and record the latest movies
- Lenovo App Shop and Android Market ensure ready access to thousands of useful apps
- Award-winning Lenovo Services to keep you on-line and on-the-go

**Positioning**

- Touchscreen tablet

**Processor**

- Dual-core ARM Cortex™-A9 processor (1.0 GHz per core, dual-core), 1MB L2 cache

**Memory**

- 1GB std / 1GB max / 600MHz LPDDR2, mobile memory, single-channel capable, no sockets

**Storage**

- 32GB / eMMC (embedded Multi Media Card) flash memory on board

**Storage extension**

- one microSD Card slot

**Graphics**

- NVIDIA ULP (Ultra-low power) GeForce GPU, integrated in Tegra™ 2, uses system memory, OpenGL ES 2.0, supports 1080p video out via micro HDMI connector, HDCP-compliant

**Display**

- 10.1" (256.5mm) HD (WXGA 1280x800) TFT color, VA (Vertical Alignment) technology, VibrantView (glossy), LED backlight, 350 nits, 16:10 aspect ratio, 1500:1 contrast ratio, 149 pixels per inch (ppi)

**Multi-touch**

- Multi-touch, supports 10-point

**Camera**

- Front camera: 2.0-megapixel, fixed focus
- Rear camera: 5.0-megapixel with LED flash, auto focus, digital zoom

**Video capture**

- 720p video capture (rear camera)

**Audio support**

- High Definition (HD) Audio, Wolfson WM8903/LGEFK/RV codec / stereo speakers (1.5 watt x 2) / digital microphone

**Media capable**

- Audio formats: MP3, AAC, AAC+, eAAC+, WAV, PCM, WMA, WMA2
- Video formats: MPEG-4, H.263, H.264, VC-1, MPEG-2, H.265, H.266

**Keyboard**

- Virtual keyboard via Android, portrait and landscape support
- ONF (Optical Finger Navigation), volume up, volume down, and power buttons, G-sensor lock (rotation on/off)

**Light sensor**

- Ambient Light Sensor

**G-sensor**

- Accelerometer (G) sensor, supports 3-axis accelerometer

**Gyroscope**

- 3-axis gyroscope

**eCompass**

- Digital compass

**Operating system**

- Android™ 3.1 (HoneyComb)

**Preloadable applications**


**Battery - type**

- Lithiumion

**Battery - life**

- up to approximately 9 hr (web browsing via WiFi)

See footnotes for important warranty information

US model(s) announced July 20, 2011

US model(s) withdrawn effective March 2013

© Lenovo (FER1-2) March 2013
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<td>16G²</td>
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- Preload Adobe Flash player 10.2, full support for Flash content
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- Lenovo SocialTouch to manage all your social networking engagements on a single easy-to-use interface
- The latest Digital Rights Management allows users to download and record the latest movies
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Positioning: Touchscreen tablet

Processor: Dual-core ARM Cortex™-A9 processor (1.0 GHz per core, dual-core), 1MB L2 cache

Memory: 1GB std / 1GB max / 600MHz LPDDR2, mobile memory, single-channel capable, no sockets

Storage: 16GB or 32GB / eMMC (embedded Multi Media Card) flash memory on board

Storage extension: one microSD Card slot

Graphics: NVIDIA® ULP (Ultra-low power) GeForce GPU, integrated in Tegra™ 2, uses system memory, OpenGL ES 2.0, supports 1080p video out via micro HDMI connector, HDCP-compliant

Display: 10.1" (256.5mm) HD (WXGA 1280x800) TFT color, VA (Vertical Alignment) technology, VibrantView LED backlight, 350 nits, 16:10 aspect ratio, 1500:1 contrast ratio, 149 pixels per inch (ppi)

Multi-touch: Multi-touch, supports 10-point

Camera: Front camera: 2.0-megapixel, fixed focus

Video capture: Rear camera: 5.0-megapixel with LED flash, auto focus, digital zoom

Audio support: High Definition (HD) Audio, Wolfson WM8903LGEFK/RV codec / stereo speakers (1.5 watt x 2) / digital microphone

Media capable: Audio formats: MP3, AAC, AAC+, eAAC+, WAV, PCM, WMA, WMA2

Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid

Keyboard: Virtual keyboard via Android, portrait and landscape support

Control buttons: OFN (Optical Finger Navigation), volume up, volume down, and power buttons, G-sensor lock (rotation on/off)

Light sensor: Ambient Light Sensor

G-sensor: Accelerometer (G) sensor, supports 3-axis accelerometer

Gyroscope: 3-axis gyroscope

ECompass: Digital compass

Platform: NVIDIA Tegra 2

Ports: Docking/charger port, micro HDMI, stereo microphone / headphone combo jack (3.5 mm)

WLAN: 11b/g/n wireless®, Azurwave AW-NH611 SiP module, WIFI+Bluetooth Combo Chip

WWAN: Some models

SIM card: None

GPS: GPS, Broadcom BCM4751, A-GPS (Assisted GPS) support on WWAN models

Bluetooth: Bluetooth 2.1+EDR wireless, integrated in Azurwave AW-NH611 combo chip

Dimensions: (WxDxH): 10.4" x 7.4" x 0.52"; 264mm x 189mm x 13.3mm

Weight: 1.63 lbs (740 g); WLAN model: starting at 1.63 lb (740 g); WWAN models: 1.70 lb (770 g)

Case color: Top: Black frame; Bottom: White (high gloss) with Aluminum frame, red (high gloss) with Aluminum frame, or black (leather like) bottom with dark Aluminum frame

Case material: Top: Glass cover; Bottom: PC/ABS + Aluminum

Battery - type: Lithium Ion, 2-cell (7400mAh)

Battery - life: up to approximately 9 hr (web browsing via WiFi)

Limited Warranty²

1-year Mail-in repair service for covered HW repairs only

Available Warranty Extension:

- 2-year Mail-in repair service, 2-year (total duration) warranty extension

24x7² toll-free support for warranty issues during the warranty period² via 877-453-6686

Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html

See footnotes for important warranty information

US model(s) announced July 20, 2011

US model withdrawn effective March 2013

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(FERR1-1) March 2013
Partial list of accessories supported on:
IdeaPad Tablet K1

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<th>Expansion</th>
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<td>IdeaPad Tablet K1 Keyboard Dock (Black)</td>
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<th>Adapters</th>
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<td>IdeaPad Tablet K1 Film (High Transparency)</td>
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For more information on accessories:
www.lenovo.com/accessories
Purchase Lenovo accessories

www.lenovo.com/support/accessories
Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide
Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com
An Options Compatibility Configurator for Lenovo systems
### IdeaTab A2107 - withdrawn

#### Preloaded operating system
- Android™ 4.0 (Ice Cream Sandwich)
- Preloaded applications (only some listed)

#### Games
- Exent GameTanium™
- Papsya Mobile
- Cut the Rope
- Vendetta Online
- Silvercreek 5 Card Games

#### Entertainment
- Slacker Radio
- Amazon MP3

#### Life
- Accuweather
- News Republic
- Zinio
- Amazon Kindle
- Next Issue Media
- ES File Explorer

#### Lenovo
- Lenovo Registration
- Evernote
- SugarSync

#### App Store
- Lenovo App Shop
- Google Play

#### Preload
- 12 issues during the warranty period
- Available Warranty Extension: 2-year (total duration) warranty extension
- 24x7 toll-free support for warranty issues during the warranty period via 877-453-6686

#### Limited Warranty
- 1-year parts and labor for covered HW repairs only
- 1-year parts and labor for covered HW repairs only

### Specifications

<table>
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<tr>
<th>Part number</th>
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<td>512MB</td>
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<td>0.3/2.0M</td>
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<td>GPS</td>
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<td>AT&amp;T</td>
<td>3550mAh</td>
<td>Android 4.0</td>
<td></td>
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</tr>
</tbody>
</table>

- 7.0" tablet makes it comfortable to carry around no matter you are
- 5-point capacitive multi-touch, with G-sensor and light sensor for a delightful interactive experience
- Just 11.5mm thin and 400g weight (vary by configuration)
- Long battery life supports whole day usage
- Off-line GPS technology
- Protection from breaking with stainless steel Roll-Cage internal frame
- The Android 4.0 operating system is great for entertainment including reading, music, video, photo, games and web on the go
- Lenovo App Shop and Google Play ensure ready access to thousands of useful apps
- Award-winning Lenovo Services to keep you on-line and on-the-go

#### Positioning
- Touchscreen tablet

#### Platform
- MediaTek MT6575

#### Processor
- ARM® Cortex™-A9 processor (1.0 GHz per core, single-core, 256KB L2 cache), integrated graphics in MT6575, provides dedicated 2D/3D graphics hardware accelerator, OpenGL ES 2.0

#### Graphics
- Mali-400 MP2

#### Memory
- 512MB or 1GB std / 1GB max* / 400MHz LPDDR2, mobile memory

#### Storage
- 8GB or 16GB / eMMC (embedded Multi Media Card) flash memory on board
- One microSD Card slot, support up to 32GB

#### Display
- 7.0" (177.8mm) WSXGA (1024x600) TFT color, Twisted nematic (TN) technology, ViewivntView (glossy), LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, Viewing angle: 140° (+/- 70°) horizontal, 140° (+/- 70°) vertical

#### Multi-touch
- Projected Capacitive Touch (PCT) technology, supports 5-point

#### Camera
- Front camera: 0.3-megapixel, fixed focus
- Rear camera: 2.0-megapixel, fixed focus

#### Video capture
- VGA@30FPS video capture (front camera), 720P@30FPS video capture (rear camera)

#### Audio support
- MT6329 audio codec / two speakers (0.7 watt x 2) / integrated microphone

#### Media capable
- Audio formats: MP3, AAC, AMR-NB/WB, FLAC, MIDI, Ogg Vorbis, APE, G.711(PCM)
- Video formats: VP8, MP4, H.263, H.264

#### Keyboard
- Virtual keyboard via Android, portrait and landscape support

#### Control buttons
- Volume up, volume down, and power buttons

#### Keyboard Dock
- None

#### Light sensor
- Ambient Light Sensor

#### G-sensor
- Accelerometer (G) sensor, supports 3-axis accelerometer

#### Gyroscope
- eCompass

#### Ports
- micro USB (Charger port and Data sync), microphone / headphone combo jack (3.5 mm)

#### WLAN
- 11b/g/n wireless*, MediaTek MT6620 combo chip, Supports Wi-Fi, Bluetooth 4.0, and GPS

#### WWAN
- Some: Wireless WAN, MT6167 chipset, GSM/WCDMA/HSPA

#### SIM card
- Some: One SIM card slot

#### Carrier
- Some: AT&T®, contract required with service provider

#### GPS
- GPS, supports A-GPS (Assisted GPS) on WWAN (3G) models

#### Bluetooth
- Bluetooth 4.0 wireless, integrated in MT6620

#### FM radio
- None

#### Dimensions
- (WxHxT): 7.6" x 4.8" x 0.45"; 192mm x 122mm x 11.5mm

#### Weight
- starting at 0.88 lb (400 g);

#### Case color
- Top: Black frame;
- Bottom: Matt black

#### Case material
- Top: Glass (on panel) and frame (Polycarbonate + 20% Glass Fiber);
- Bottom: Polycarbonate (PC)

#### Battery - type
- Lithium polymer, 1-cell (13.5Wh / 3550mAh)

#### Battery - life
- Up to 10 hours Wi-Fi Web browsing

In the box: IdeaTab A2107, AC adapter (charger), micro USB to USB cable, and documentation
Battery life: 10 hours Wi-Fi Web browsing

### Key Features

- **7.0” tablet**: Comfortable to carry around no matter what you are doing.
- **5-point capacitive multi-touch**: Enjoy interactive experience.
- **G-sensor and light sensor**: For a delightful interactive experience.
- **11.5mm thin and 400g weight**: Varies by model configuration.
- **Long battery life**: Support whole day usage.
- **Fingerprint protection**: From breaking with stainless steel Roll-Cage internal frame.
- **Android 4.0**

#### Preloaded Operating System

- Android™ 4.0 (Ice Cream Sandwich)

#### Preloaded Applications

- (only some listed)
- **Games**
  - Exent GameTanium™
  - Papsya Mobile
  - Cut the Rope
  - Vendetta Online
  - Silvercreek 5 Card Games
- **Entertainment**
  - Black Rock Studio
  - Amazon MP3
- **Business**
  - Documents To Go®
  - Printershare™ for Lenovo
  - Norton™ Mobile Security
- **SNS**
  - ooVoo™
  - Skype™
  - PokeTalk
  - imo.im

#### Life

- Accuweather
- News Republic
- Zinio
- Amazon Kindle
- Next Issue Media
- ES File Explorer

#### Lenovo

- Lenovo Registration
- Evernote
- SugarSync

#### App Store

- Lenovo App Shop
- Google Play

#### 7.5-watt AC adapter

- RoHS-compliant

---

**Limited Warranty**

- 1-year parts and labor for covered HW repairs only
- Available Warranty Extension:
  - 2-year (total duration) warranty extension 04W8188
  - 24x7 toll-free support for warranty issues during the warranty period via 877-453-6686

© Lenovo (SONG1-2) February 2013
## IdeaTab™ A2109 (Wi-Fi) - withdrawn

| Type-model / Part number | Processor | Memory | Display | Camera | Graphics | Storage | WiFi | Back color | Bluetooth | GPS | WWAN | Battery | OS preload
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>2290-1DU / 59331888</td>
<td>Tegra 3 T30SL</td>
<td>1GB</td>
<td>9.0” TN 10-point</td>
<td>ULP GeForce</td>
<td>16GB</td>
<td>Black</td>
<td>BT3.0</td>
<td>None</td>
<td>2-cell</td>
<td>Android 4.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Product Features
- **9.0” Touchscreen tablet**, just 11.65mm thin and 570g weight (vary by configuration)
- **Magnesium alloy Roll-Cage internal frame protects any drop breaking**
- **10-point capacitive multi-touch**, with G-sensor and light sensor inside for a delightful interactive experience
- **720p playback on tablet and micro-HDMI out for 1080p playback on your TV**
- **SRS WOW HD audio enhancement makes audio sound become natural, clearer and beautiful**
- **Built-in 22.94Wh rechargeable lithium polymer battery, up to 10 hours WIFI browsing**
- **Off-line GPS technology allows direct satellite connection without any network support**
- **Lenovo App Shop and Google Play ensure ready access to thousands of useful apps**
- **Award-winning Lenovo Services to keep you on-line and on-the-go**

### Preloaded operating system
- Android™ 4.0 (Ice Cream Sandwich)

### Preloaded applications
- (only some listed)
- Games
  - Exent GameTanium™
  - Cut the Rope
- Business
  - Documents To Go®
  - Printershare™ for Lenovo
  - Norton™ Mobile Security
- SNS
  - ooVoo™
  - Skype™
  - TalkTalk
- Life
  - Accuweather
  - News Republic
- Zino
- Amazon Kindle
- ES File Explorer
- GO Keyboard
- Adobe® Flash player
- Lenovo
  - Lenovo Registration
  - Evernote
  - SugarSync
- App Store
  - Lenovo App Shop
  - Google Play

### Award-winning local support, visit

### Limited Warranty
- 1-year parts and labor for covered HW repairs only
- Available Warranty Extension:
  - 2-year (total duration) warranty extension 04W8188
  - 24x7 toll-free support for warranty issues during the warranty period
- Award-winning local support, visit

### Specifications
- **Dimensions**: (WxHxT): 9.3” x 6.5” x 0.46”; 236mm x 164mm x 11.65mm
- **Weight**: starting at 1.26 lb (570 g)
- **Case color**: Top: Black frame; Bottom: Champagne gold color
- **Case material**: Top: Glass cover; Bottom: aluminum metal exterior shell
- **Battery - type**: Lithium polymer, 2-cell (22.94Wh / 6200mAh)
- **Battery - life**: Up to 10 hours Web browsing

### In the box
- IdeaTab A2109, AC adapter (charger), USB cable, and documentation
IdeaTab A2109 (2290) - Wi-Fi (web only models) - withdrawn

Positioning

Touchscreen tablet

Processor

NVIDIA® Tegra® 3 T30SL

CPU

Super 4-PLUS-1™ Quad Core (1.2 GHz per core) with 5th Battery Saver Core (up to 500MHz), 1MB L2 cache, ARM® Cortex™-A9 architecture

GPU

NVIDIA ULTRA-LOW POWER GeForce GPU, integrated in Tegra 3.

Memory

1GB std / 1GB max / 1333MHz DDR3L, mobile memory

Storage

8GB or 16GB / eMMC (embedded Multi Media Card) flash memory on board

Storage extension

One microSD Card slot, support up to 32GB

Display

9.0" (228.6mm) WXGA (1280x800) TFT color, Twisted nematic (TN) technology, ViewZone (glossy), LED backlight, 250 nits, 16:10 aspect ratio, 700:1 contrast ratio, 168 PPI (Pixels Per Inch), Viewing angle: 120° (+70/-50) horizontal, 140° (+/- 70) vertical

Multi-touch

Projected Capacitive Touch (PCT) technology, supports 10-point

Camera

Front camera: 1.3-megapixel, fixed focus

Video capture

VGA@30FPS video capture (front camera), 1080P / 720P video capture (rear camera)

Audio support

Texas Instruments™ (TI) TLV320AIC3262IYZFT audio codec / two speakers (0.5 watt x 2) / SRS WOW HD audio enhancement / integrated dual digital microphone

Media capable

Audio formats:  MP3, AAC-LC, AAC+, eAAC+, AMR-NB/WB, FLAC, MIDI, Ogg Vorbis, WAV/LPCM

Video formats:  VP8, MPEG-4, H.263, H.264, DivX

Keyboard

Virtual keyboard via Android, portrait and landscape support

Control buttons

Volume up / down button, power button, and screen rotation lock

Light sensor

Ambient Light Sensor

G-sensor

Accelerometer (G) sensor, supports 3-axis accelerometer

Gyroscope

None

eCompass

None

Ports

micro USB (Charger port and Data sync), micro-HDMI, microphone / headphone combo jack (3.5 mm)

WLAN

11b/g/n wireless®, Broadcom® BCM4330 combo chip, Supports Wi-Fi and Bluetooth

WWAN

None

SIM card

None

GPS

GPS (Global Positioning System), Broadcom BCM4751

Bluetooth®

Bluetooth 3.0 wireless, integrated in BCM4330

FM radio

None

Dimensions

(Width x Height): 9.3” x 6.5” x 0.46”; 236mm x 164mm x 11.65mm

Weight

Starting at 1.26 lb (570 g)

Case color

Top: Black frame;

Bottom: Champagne gold color

Case material

Top: Glass cover;

Bottom: aluminum metal exterior shell

Battery - type

Lithium polymer, 2-cell (22.94Wh / 6200mAh)

Battery - life

Up to 10 hours Web browsing

In the box

IdeaTab A2109, AC adapter (charger), USB cable, and documentation

Preloaded operating system

- Android™ 4.0 (Ice Cream Sandwich)

Preloaded applications

- only some listed)

Games

- Extent Game

Business

- Documents To Go®

- Norton™ Mobile Security

SNS

- ooVoo™

- Skype™

- PokeTalk

Life

- Accuweather

- News Republic

- Zinio

- Amazon Kindle

- ES File Explorer

- GO Keyboard

- Adobe® Flash player

- Lenovo

Lenovo

- Lenovo Registration

- Evernote

- SugarSync

App Store

- Lenovo App Shop

- Google Play

See footnotes for important warranty information

US L ncdkr (v hpcq v madd L ' dgc 1/03

Limited Warranty

- 1-year parts and labor for covered HW repairs only

Available Warranty Extension:

- 2-year (total duration) warranty extension

- 24x7 toll-free support for warranty issues during the warranty period


© Lenovo

(HENG1-1) October 2012
IdeaTab S2109 (2291) - withdrawn

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>GHz</th>
<th>Cores</th>
<th>Memory</th>
<th>Widescreen display</th>
<th>Camera</th>
<th>Graphics</th>
<th>Storage</th>
<th>802.11</th>
<th>Back color</th>
<th>Blue-tooth</th>
<th>Battery</th>
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<th>OS</th>
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<td>PowerVR SGX540</td>
<td>16GB*</td>
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<td>Gray</td>
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<td>3-cell</td>
<td>GPS</td>
<td>None</td>
<td>Android 4.0</td>
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</table>

- Matt Gun Metal Gray unibody shell with 9.7" IPS panel display
- Quad speakers with powerful dual bass
- 5-point capacitive multi-touch, with G-sensor and light sensor inside for a delightful interactive experience
- Extra slim and light; just 8.9mm thin and 580g weight (vary by configuration)
- 1080p playback via micro HDMI port
- SRS TruMedia provides the unique sound enhancement feature that making audio sound become natural, clearer and beautiful
- Lenovo App Shop and Android Market ensure ready access to thousands of useful apps
- Award-winning Lenovo Services to keep you on-line and on-the-go

Preloaded operating system:
- Android™ 4.0 (Ice Cream Sandwich)

Preloaded applications (only some listed):
- Lenovo App Shop
- Documents To Go®
- Norton™ Tablet Security
- PrinterShare™ Mobile Print
- Zinio
- AccuWeather
- Evernote
- News Republic
- ooVoo™ Video Call
- Skype™
- SugarSync

Positioning
- Touchscreen tablet

Processor
- Dual-core ARM® Cortex™-A9 MPCore™ (1.0 GHz per core, dual-core) with Symmetric Multiprocessing (SMP)

Memory
- 1GB std / 1GB max / 400MHz LPDDR2, mobile memory

Storage
- 8GB, 16GB, or 32GB / eMMC (embedded Multi Media Card) flash memory on board

Graphics
- PowerVR SGX540 graphics integrated in TI OMAP™4430, provides dedicated 2D/3D graphics hardware accelerator, uses system memory, OpenGL ES 2.0 supports 1080p Full HD video out via micro HDMI connector, supports HDCP

Display
- 9.7" (246.4mm) XGA (1024x768) (glossy), IPS panel supports 1080p Full HD video out via micro HDMI port
- Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
- Capacitive-type multi-touch, supports 5-point

Camera
- Front camera: 1.3-megapixel, fixed focus
- Rear camera: None

Video capture
- 720p HD video capture (front camera)

Audio support
- Texas Instruments™ (TI™) TWL6040 Low-Power audio codec / four SRS® certified speakers (0.7 watt x 4) / SRS TruMedia™ audio enhancement / integrated microphone

Media capable
- Audio formats: MP3, AAC, AAC+, eAAC+, AMR-NB/WB, FLAC, MIDI, Ogg Vorbis, WAV
- Video formats: VP8, MPEG-2, MPEG-4, H.263, H.264
- Virtual keyboard via Android, portrait and landscape support
- Volume up, volume down, and power buttons
- Ambient Light Sensor
- Accelerometer (G) sensor, supports 3-axis accelerometer
- 3-axis gyroscope
- Digital compass

Platform
- Texas Instruments (TI) OMAP4430

Ports
- Charger port, micro HDMI, micro USB, microphone / headphone combo jack (3.5 mm)
- 11b/g/n wireless, TI WL2818 chip (WiLink™ 7.0 single-chip connectivity solution), WiFi, Bluetooth, GPS, and FM transmit/receive cores integrated in a single chip

WLAN
- 11b/g/n wireless, TI WL2818 chip (WiLink™ 7.0 single-chip connectivity solution), WiFi, Bluetooth, GPS, and FM transmit/receive cores integrated in a single chip

WWAN
- Texas Instruments™ (TI)™ MPCore™ (1.0 GHz per core, dual-core) with Symmetric Multiprocessing (SMP)
- FM radio
- FM Radio with RDS (Radio Data System), FM transmit/receive core integrated in WL1281

Dimensions
- 9.7" x 7.3" x 0.35"; 247mm x 185.3mm x 8.9mm
- 247mm x 185.3mm x 8.9mm

Weight
- Starting at 1.28 lb (580 g);

Case material
- Aluminum alloy (GOX1-1) May 2012

Battery - type
- Lithium Ion, 3-cell (24.8Wh)

Preloaded operating system:
- Android™ 4.0 (Ice Cream Sandwich)

Preloaded applications (only some listed):
- Lenovo App Shop
- Documents To Go®
- Norton™ Tablet Security
- PrinterShare™ Mobile Print
- Zinio
- AccuWeather
- Evernote
- News Republic
- ooVoo™ Video Call
- Skype™
- SugarSync

Limited Warranty:
- 1-year parts and labor for covered HW repairs only
- Available Warranty Extension:
  - 2-year (total duration) warranty extension 04W8188
  - 24x7™ toll-free support for warranty issues during the warranty period via 877-453-6686

15-watt AC adapter (100-240V)
RoHS-compliant

See footnotes for important warranty information
### IdeaTab S2109 (2291) - web only models - withdrawn

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>GHz</th>
<th>Cores</th>
<th>Memory</th>
<th>Widescreen display</th>
<th>Camera</th>
<th>Front/rear (Megapixel)</th>
<th>Graphics</th>
<th>Storage</th>
<th>WiFi 802.11</th>
<th>Back color</th>
<th>Bluetooth</th>
<th>Battery</th>
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<th>WWAN</th>
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</thead>
<tbody>
<tr>
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<td>Cortex-A9</td>
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<td>Dual</td>
<td>1GB</td>
<td>9.7&quot; LED IPS</td>
<td>1.3MP</td>
<td>None</td>
<td>PowerVR SGX540</td>
<td>8GB*</td>
<td>11b/g/n2*</td>
<td>Gray</td>
<td>BT3.0</td>
<td>3-cell</td>
<td>GPS</td>
<td>None</td>
<td>Android 4.0</td>
</tr>
<tr>
<td>2291-1PU</td>
<td>Cortex-A9</td>
<td>1.0</td>
<td>Dual</td>
<td>1GB</td>
<td>9.7&quot; LED IPS</td>
<td>1.3MP</td>
<td>None</td>
<td>PowerVR SGX540</td>
<td>16GB</td>
<td>11b/g/n</td>
<td>Gray</td>
<td>BT3.0</td>
<td>3-cell</td>
<td>GPS</td>
<td>None</td>
<td>Android 4.0</td>
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<td>2291-1QU</td>
<td>Cortex-A9</td>
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<td>Dual</td>
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<td>9.7&quot; LED IPS</td>
<td>1.3MP</td>
<td>None</td>
<td>PowerVR SGX540</td>
<td>32GB</td>
<td>11b/g/n</td>
<td>Gray</td>
<td>BT3.0</td>
<td>3-cell</td>
<td>GPS</td>
<td>None</td>
<td>Android 4.0</td>
</tr>
</tbody>
</table>

- Matt Gun Metal Gray unibody shell with 9.7" IPS panel display
- Quad speakers with powerful dual bass
- 5-point capacitive multi-touch, with G-sensor and light sensor inside for a delightful interactive experience.
- Extra slim and light; just 8.9mm thin and 580g weight (vary by configuration)
- 1080p playback via micro HDMI port
- SRS TruMedia provides the unique sound enhancement feature that making audio sound become natural, clearer and beautiful
- Lenovo App Shop and Android Market ensure ready access to thousands of useful apps
- Award-winning Lenovo Services to keep you on-line and on-the-go

#### Preloaded operating system
- Android™ 4.0 (Ice Cream Sandwich)

#### Preloaded applications
- Lenovo App Shop
- Documents To Go®
- Norton™ Tablet Security
- PrinterShare™ Mobile Print
- Zinio
- AccuWeather
- Evernote
- News Republic
- ooVoo™ Video Call
- Skype™
- SugarSync

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**Positioning**
- Touchscreen tablet

**Processor**
- Dual-core ARM® Cortex™-A9 MCore™ (1.0 GHz per core, dual-core) with Symmetric Multiprocessing (SMP)

**Memory**
- 1GB std / 1GB max / 400MHz LPDDR2, mobile memory

**Storage**
- 8GB, 16GB, or 32GB / eMMC (embedded Multi Media Card) flash memory on board

**Storage extension**
- one microSD Card slot

**Graphics**
- PowerVR SGX540 graphics integrated in TI OMAP™4430, provides dedicated 2D/3D graphics hardware accelerator, uses system memory, OpenGL ES 2.0 supports 1080p Full HD video out via micro HDMI connector, supports HDCP

**Display**
- 9.7" (246.4mm) XGA (1024x768) TFT color panel

**Camera**
- Front camera: 1.3-megapixel, fixed focus
- Rear camera: None

**Video capture**
- 720p HD video capture (front camera)

**Audio support**
- Texas Instruments™ (TI) TWL6040 Low-Power audio codec / four SRS® certified speakers (0.7 watt x 4) / SRS TruMedia™ audio enhancement / integrated microphone

**Media capable**
- Audio formats: MP3, AAC, AAC+, AMR-NB/WB, FLAC, MIDI, Ogg Vorbis, WAV
- Video formats: VP8, MPEG-2, MPEG-4, H.263, H.264

**Keyboard**
- Virtual keyboard via Android, portrait and landscape support

**Control buttons**
- Volume up, volume down, and power buttons

**Light sensor**
- Ambient Light Sensor

**G-sensor**
- Accelerometer (G) sensor, supports 3-axis accelerometer

**Gyroscope**
- 3-axis gyroscope

**eCompass**
- Digital compass

**Platform**
- Texas Instruments (TI) OMAP4430

**Ports**
- Charger port, micro HDMI, micro USB, microphone / headphone combo jack (3.5 mm)

**WLAN**
- 11b/g/n wireless®, TI WL1281 chip (WiLink™ 7.0 single-chip connectivity solution), WiFi, Bluetooth, GPS, and FM transmit/receive cores integrated in a single chip

**WWAN**
- None

**SIM card**
- None

**GPS**
- GPS (Global Positioning System), integrated in WL1281

**Bluetooth®**
- Bluetooth 3.0 wireless, integrated in WL1281

**FM radio**
- FM Radio with RDS (Radio Data System), FM transmit/receive core integrated in WL1281

**Dimensions**
- (WxHxT): 9.7" x 7.3" x 0.35"; 247mm x 185.3mm x 8.9mm

**Weight**
- starting at 1.28 lb (580 g);

**Case color**
- Top: Black frame;
- Bottom: Matt Gun metal gray

**Battery - type**
- Lithium Ion, 3-cell (24.8Wh)

**Battery - life**
- up to approximately 10 hr (web browsing or video playback), up to 700 hr on standby

**In the box**
- IdeaTab S2109, AC adapter (charger), USB cable, rubber case, and documentation
IdeaTab S2110 (2258) - Wi-Fi - withdrawn

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>Display</th>
<th>Camera</th>
<th>Graphics</th>
<th>Storage</th>
<th>WiFi</th>
<th>Back color</th>
<th>Bluetooth</th>
<th>GPS</th>
<th>Key- board dock</th>
<th>Battery +</th>
<th>Battery in dock</th>
<th>OS preload</th>
</tr>
</thead>
<tbody>
<tr>
<td>2258-A1U (59331449)</td>
<td>Qualcomm Snapdragon S4 Processor APQ8060A</td>
<td>1GB</td>
<td>10.1&quot; IPS (256.55mm) WXGA (1280x800)</td>
<td>Front: 1.3-megapixel, rear: 5.0-megapixel</td>
<td>Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch</td>
<td>16GB</td>
<td>802.11</td>
<td>Black</td>
<td>BT4.0</td>
<td>None</td>
<td>None</td>
<td>2-cell</td>
<td>Android 4.0</td>
<td></td>
</tr>
<tr>
<td>2258-B4U (59331488)</td>
<td>Qualcomm Snapdragon S4 Processor APQ8060A</td>
<td>1GB</td>
<td>10.1&quot; IPS (256.55mm) WXGA (1280x800)</td>
<td>Front: 1.3-megapixel, rear: 5.0-megapixel</td>
<td>Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch</td>
<td>16GB</td>
<td>802.11</td>
<td>Black</td>
<td>BT4.0</td>
<td>None</td>
<td>None</td>
<td>Dock 2-cell + 2-cell</td>
<td>Android 4.0</td>
<td></td>
</tr>
</tbody>
</table>

- 10.1" IPS panel display, extra-wide 178° viewing angle
- 10-point capacitive multi-touch, with G-sensor and light sensor inside for a delighted interactive experience
- Extra slim and light; just 8.69mm thin and 580g weight (vary by configuration)
- 1080p playback via micro HDMI port
- Optional keyboard dock giving expanded PC function that makes writing and operation a pleasure, ports to connect with all regular PC devices
- Built-in 23.4Wh rechargeable lithium polymer battery, up to 10 hours WiFi browsing, and up to 20 hours with optional keyboard dock
- SRS TruMedia provides the unique sound enhancement feature that making audio sound become natural, clearer and beautiful
- Lenovo App Shop and Google Play ensure easy access to thousands of useful apps
- Award-winning Lenovo Services to keep you on-line and on-the-go

Positioning: Touchscreen tablet

Processor: Qualcomm Snapdragon S4 Processor APQ8060A
CPU: Dual-core Krait CPU (1.5 GHz per core, dual-core, 1MB L2 cache) with a 1MB cache size
Adreno 225 Graphics Processing Unit (GPU) integrated in APQ8060A, provides dedicated 2D/3D graphics hardware accelerator, OpenGl ES 2.0, DX9.3 supports 1080p Full HD video out via micro HDMI connector, supports HDCP

Memory: 16GB / eMMC (embedded Multi Media Card) flash memory on board
Storage: 16GB / eMMC (embedded Multi Media Card) flash memory on board
Storage extension: None

Display: 10.1" (256.55mm) WXGA (1280x800) | TFT color | IPS panel, VibrantView (glossy) | LED backlight, 360 nits, 16:10 aspect ratio, 700:1 contrast ratio, 149 PPI (Pixels Per Inch) | Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Multi-touch: Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch
Camera: Front camera: 1.3-megapixel, fixed focus Rear camera: 5.0-megapixel, auto focus, LED flash
Video capture: Front camera, 1080P @ 30FPS video capture (rear camera)
Audio support: WCD9310 audio codec / two speakers (0.5 watt x 2) / SRS TruMedia™ audio enhancement / integrated microphone


Keyboard: Virtual keyboard via Android, portrait and landscape support
Keyboard buttons: Volume up, volume down, and power buttons

Light sensor: Ambient Light Sensor
G-sensor: Accelerometer (G) sensor, supports 3-axis accelerometer
Gyroscope: 3-axis gyroscope
eCompass: Digital compass

Ports: micro HDMI, micro USB (USB OTG, Charger port, and Dock connector), microphone / headphone combo jack (3.5 mm)

WLAN: 11b/g/n wireless, Qualcomm WCN3660 combo chip, Supports Wi-Fi, Bluetooth 4.0, and FM radio
WWAN: None
SIM card: None
GPS: None
Bluetooth: Bluetooth 4.0 wireless, integrated in WCN3660
FM radio: FM Radio (worldwide FM band support), integrated in WCN3660

Dimensions: IdeaTab S2110 only: 10.2" x 7.5" x 0.39"; 259.8mm x 190mm x 9.85mm
Weight: 1.32 lb (600 g)

Battery type: Lithium polymer, 2-cell (23.4Wh)

Limited Warranty: 1-year parts and labor warranty
Available Warranty Extension: 2-year (total duration) warranty extension 04W8188
24x7 toll-free support for warranty issues within the warranty period via 877-453-6686
Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html

See footnotes for important warranty information

US | ncdrk | vt | hq | cc | q | 1624 | L | dq | 1/03

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(Personal Systems Reference (PSREF))
**IdeaTab S2110 (2258) - Wi-Fi (web only models) - withdrawn**

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>Widescreen display</th>
<th>Camera</th>
<th>Graphics</th>
<th>Storage</th>
<th>WiFi</th>
<th>Back color</th>
<th>Bluetooth</th>
<th>GPS</th>
<th>WWAN</th>
<th>Keyboard dock</th>
<th>Battery +</th>
<th>OS preload</th>
</tr>
</thead>
<tbody>
<tr>
<td>2258-D1U</td>
<td>APQ8060A 1GB</td>
<td>10.1&quot; LED IPS 1.3GHz/5.0M Adreno 225</td>
<td>16GB</td>
<td>11b/g/n 802.11</td>
<td>Black</td>
<td>BT4.0</td>
<td>None</td>
<td>2-cell</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2258-D2U</td>
<td>APQ8060A 1GB</td>
<td>10.1&quot; LED IPS 1.3GHz/5.0M Adreno 225</td>
<td>32GB</td>
<td>11b/g/n 802.11</td>
<td>Black</td>
<td>BT4.0</td>
<td>None</td>
<td>2-cell</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2258-E4U</td>
<td>APQ8060A 1GB</td>
<td>10.1&quot; LED IPS 1.3GHz/5.0M Adreno 225</td>
<td>16GB</td>
<td>11b/g/n 802.11</td>
<td>Black</td>
<td>BT4.0</td>
<td>None</td>
<td>Dock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2258-E5U</td>
<td>APQ8060A 1GB</td>
<td>10.1&quot; LED IPS 1.3GHz/5.0M Adreno 225</td>
<td>32GB</td>
<td>11b/g/n 802.11</td>
<td>Black</td>
<td>BT4.0</td>
<td>None</td>
<td>Dock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 10.1" IPS panel display, extra-wide 178° viewing angle
- 10-point capacitive multi-touch, with G-sensor and light sensor inside for a delightful interactive experience
- Extra slim and light; just 8.69mm thin and 580g weight (vary by configuration)
- 1080p playback via micro HDMI port
- Optional keyboard dock giving expanded PC function that makes writing and operation a pleasure, ports to connect with all regular PC devices
- Built-in 23.4Wh rechargeable lithium polymer battery, up to 10 hours WIFI browsing, and up to 20 hours with optional keyboard dock
- SRS TruMedia provides the unique sound enhancement feature that making audio become natural, clearer and beautiful
- Lenovo App Shop and Google Play ensure ready access to thousands of useful apps
- Award-winning Lenovo Services to keep you on-line and on-the-go

### Positioning
- Touchscreen tablet

### Preloaded operating system
- Android™ 4.0 (Ice Cream Sandwich)

### Preloaded applications
- (only some listed)
  - Documents To Go®
  - Norton™ Security
  - PrinterShare™ for Lenovo
  - ES File Explorer
  - Zino
  - AccuWeather
  - GO Keyboard
  - Amazon Kindle
  - TruMedia
  - Adobe® Flash® Player
  - Evernote
  - Newsg Public
  - ooVoo™
  - Skype™
  - SugarSync
  - rara.com™
  - Shazam
  - Papaya Free
  - Hardwood Games
  - Hardwood Hearts
  - Hardwood Spades
  - GameTanium™

### App Store
- Lenovo App Shop
- Google Play

### 10-watt AC adapter
- RoHS-compliant

### Limited Warranty
- 1-year parts and labor for covered HW repairs only
- Available Warranty Extension:
  - 2-year (total duration) warranty extension 04W8188
  - 24x7x3 toll-free support for warranty issues during the warranty period via 877-453-6686

See footnotes for important warranty information

US 1 651 947 0000 (toll-free) 24x7x3 | Support by phone: 877-453-6686 | 2012 Lenovo

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### IdeaTab Lynx K3011 (Wi-Fi) - Windows 8 - withdrawn

**Preloaded operating system**
- Windows® 8 32-bit

**Preloaded applications** (only some listed)
- Traditional Desktop apps
  - Lenovo Cloud Storage by SugarSync
  - Norton™ Internet Security
  - Norton™ 360
  - Microsoft Office 2010 preloaded; purchase product key to activate
  - Intel AppUp™
  - Windows Store apps (Metro-style)
  - AccuWeather
  - eBay
  - Skype™
  - Evernote
  - Rara Streaming
  - Encyclopedia Britannica
  - Merriam Webster
  - Fresh Paint

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Intel® Atom™ Processor Z2760 (2 cores / 4 threads, 1.80GHz, 1MB cache),</td>
</tr>
<tr>
<td></td>
<td>LPDDR2 memory controller (800MHz), HT technology</td>
</tr>
<tr>
<td>Memory</td>
<td>2GB std / 2GB max / 800MHz LPDDR2, mobile memory</td>
</tr>
<tr>
<td>Storage</td>
<td>64GB / eMMC (embedded Multi Media Card) flash memory on board</td>
</tr>
<tr>
<td>Storage extension</td>
<td>One microSD Card slot</td>
</tr>
<tr>
<td>Graphics</td>
<td>PowerVR™ SGX545 graphics in Intel Atom SoC. supports 1080p video out via</td>
</tr>
<tr>
<td></td>
<td>mini-HDMI™ connector, HDCP-compliant</td>
</tr>
<tr>
<td>Display</td>
<td>11.6&quot; (294.6mm) HD (1366x768) TFT color, IPS panel, VibrantView (glossy),</td>
</tr>
<tr>
<td></td>
<td>LED backlight, 400 nits, 16:9 aspect ratio, 800:1 contrast ratio, 135 PPI</td>
</tr>
<tr>
<td></td>
<td>(Pixels Per Inch) Viewing angle: 170° (+/− 85°) horizontal, 170° (+/− 85°)</td>
</tr>
<tr>
<td></td>
<td>vertical</td>
</tr>
<tr>
<td>Multi-touch</td>
<td>Projected Capacitive Touch (PCT) technology, supports 10-point</td>
</tr>
<tr>
<td>Camera</td>
<td>Front camera: 2.0-megapixel, fixed focus</td>
</tr>
<tr>
<td></td>
<td>Rear camera: None</td>
</tr>
<tr>
<td>Video capture</td>
<td>1080P@30FPS video capture (front camera)</td>
</tr>
<tr>
<td>Audio support</td>
<td>Realtek® ALC6642 codec / stereo speakers, 0.5 watt x 2 /</td>
</tr>
<tr>
<td></td>
<td>dual array digital microphone, microphone / headphone combo jack</td>
</tr>
<tr>
<td>Media capable</td>
<td>Audio formats: MP3, AAC, AAC+, eAAC+, AMR-NB/WB, FLAC, MIDI, Ogg Vorbis,</td>
</tr>
<tr>
<td></td>
<td>PCM/WAVE, EVRC, QCLEP Video formats: VP8, MPEG-4, H.263, H.264, DivX</td>
</tr>
<tr>
<td>Keyboard</td>
<td>Virtual keyboard, portrait and landscape support</td>
</tr>
<tr>
<td>Control buttons</td>
<td>Volume up, volume down, and power buttons</td>
</tr>
<tr>
<td>Keyboard Dock</td>
<td>None</td>
</tr>
<tr>
<td>Light sensor</td>
<td>Ambient Light Sensor</td>
</tr>
<tr>
<td>G-sensor</td>
<td>Accelerometer (G) sensor, supports 3-axis accelerometer</td>
</tr>
<tr>
<td>Gyroscope</td>
<td>3-axis gyroscope</td>
</tr>
<tr>
<td>eCompass</td>
<td>Digital compass</td>
</tr>
<tr>
<td>Ports</td>
<td>micro HDMI, micro USB (Charger port and Dock connector),</td>
</tr>
<tr>
<td></td>
<td>microphone / headphone combo jack (3.5 mm)</td>
</tr>
<tr>
<td>WLAN</td>
<td>11b/g/n wireless®, Broadcom® BCM4330 combo chip, supports Wi-Fi and Bluetooth</td>
</tr>
<tr>
<td>WWAN</td>
<td>None</td>
</tr>
<tr>
<td>SIM card</td>
<td>None</td>
</tr>
<tr>
<td>GPS</td>
<td>None</td>
</tr>
<tr>
<td>Bluetooth®</td>
<td>Bluetooth 4.0 wireless, integrated in BCM4330</td>
</tr>
<tr>
<td>FM radio</td>
<td>None</td>
</tr>
<tr>
<td>Dimensions</td>
<td>K3011 only (WxHxT): 11.8&quot; x 7.39&quot; x 0.3-0.37&quot;, 300.9mm x 187.8mm x 7.6-9.48mm</td>
</tr>
<tr>
<td>Weight</td>
<td>IdeaTab K3011 only: starting at 1.41 lb (0.64 kg)</td>
</tr>
<tr>
<td>Case color</td>
<td>Top: Black frame; Bottom: Purple Gray with texture</td>
</tr>
<tr>
<td>Case material</td>
<td>Top: Glass cover; Bottom: PA + 50% Glass Fiber (GF)</td>
</tr>
<tr>
<td>Battery - type</td>
<td>Lithium polymer, 2-cell (6800mAh)</td>
</tr>
<tr>
<td>Battery - life</td>
<td>IdeaTab K3011 only: Up to 8 hours Web browsing</td>
</tr>
<tr>
<td>In the box</td>
<td>IdeaTab K3011, optional keyboard dock (on some models), AC adapter (charger),</td>
</tr>
<tr>
<td></td>
<td>micro USB to USB cable, microSD Card prying pin, and documentation</td>
</tr>
<tr>
<td>Preloaded applications</td>
<td>- Windows® 8 32-bit</td>
</tr>
<tr>
<td>Preloaded applications</td>
<td>- Traditional Desktop apps</td>
</tr>
<tr>
<td></td>
<td>- 1-year parts and labor for covered HW repairs only</td>
</tr>
<tr>
<td></td>
<td>- Available Warranty Extension:</td>
</tr>
<tr>
<td></td>
<td>- 2-year (total duration) warranty extension</td>
</tr>
<tr>
<td></td>
<td>- 24x7 toll-free support for warranty issues during the warranty period</td>
</tr>
<tr>
<td></td>
<td>via 877-453-6686</td>
</tr>
<tr>
<td></td>
<td>- Award-winning local support, visit</td>
</tr>
</tbody>
</table>

See footnotes for important warranty information

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(KILK1-1) December 2012
**IdeaTab™ Lynx K3011 (Wi-Fi) - Windows 8 (web only models) - withdrawn**  

<table>
<thead>
<tr>
<th>Part number</th>
<th>Processor</th>
<th>Memory</th>
<th>Widescreen display</th>
<th>Camera Front/rear (Megapixel)</th>
<th>Graphics</th>
<th>Storage</th>
<th>WiFi 802.11</th>
<th>Back color</th>
<th>Bluetooth</th>
<th>GPS</th>
<th>WWAN</th>
<th>Keyboard dock</th>
<th>Battery</th>
<th>OS preload</th>
</tr>
</thead>
<tbody>
<tr>
<td>59344276</td>
<td>Atom Z2760</td>
<td>2GB</td>
<td>11.6&quot; LED IPS</td>
<td>2.0M/None</td>
<td>SGX545</td>
<td>64GB</td>
<td>11b/g/n/a</td>
<td>Gray</td>
<td>BT4.0</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>2-cell</td>
<td>Win8 32</td>
</tr>
</tbody>
</table>

- 11.6" IPS panel display, extra-wide 170° viewing angle
- 10-point capacitive multi-touch, with G-sensor and light sensor for a delightful interactive experience
- 1080p playback via micro HDMI port
- Optional keyboard dock giving expanded PC function that makes writing and operation a pleasure, ports to connect with all regular PC devices
- Built-in 6800mAh rechargeable lithium polymer battery, up to 8 hours WIFI browsing, and up to 16 hours with optional keyboard dock
- Switch between Metro and desktop modes via Windows Home Button when used as a tablet
- Award-winning Lenovo Services to keep you on-line and on-the-go

**Positioning** Touchscreen tablet

**Processor** Intel® Atom™ Processor Z2760 (2 cores / 4 threads, 1.80GHz, 1MB cache), LPDDR2 memory controller (800MHz), HT technology

**Memory** 2GB std / 2GB max / 800MHz LPDDR2, mobile memory

**Storage** 64GB / eMMC (embedded Multi Media Card) flash memory on board

**Storage extension** One microSD Card slot

**Graphics** PowerVR™ SGX545 graphics in Intel Atom SoC, supports 1080p video out via mini-HDMI™ connector, HDCP-compliant

**Display**
- 11.6" (294.6mm) HD (1366x768) TFT color, IPS panel, VibrantView (glossy), LED backlight, 400 nits, 16:9 aspect ratio, 800:1 contrast ratio, 135 PPI (Pixels Per Inch)
- Viewing angle: 170° (+/- 85°) horizontal, 170° (+/- 85°) vertical
- Multi-touch: Projected Capacitive Touch (PCT) technology, supports 10-point

**Camera**
- Front camera: 2.0-megapixel, fixed focus
- Rear camera: None

**Video capture** 1080P@30FPS video capture (front camera)

**Audio support** Realtek® ALC6642 codec / stereo speakers, 0.5 watt x 2 / dual array digital microphone, microphone / headphone combo jack

**Media capable** Audio formats: MP3, AAC, AAC+, eAAC+, AMR-NB/WB, FLAC, MIDI, Ogg Vorbis, PCM/WAVE, EVRC, QCLEP
- Video formats: VP8, MPEG-4, H.263, H.264, DivX

**Keyboard** Virtual keyboard, portrait and landscape support

**Control buttons** None

**Keyboard Dock** None

**Light sensor** Ambient Light Sensor

**G-sensor** Accelerometer (G) sensor, supports 3-axis accelerometer

**Gyroscope** 3-axis gyroscope

**eCompass** Digital compass

**Ports**
- micro HDMI, micro USB (Charger port and Dock connector), microphone / headphone combo jack (3.5 mm)

**WLAN** 11b/g/n wireless®, Broadcom® BCM4330 combo chip, supports Wi-Fi and Bluetooth

**WWAN** None

**SIM card** None

**GPS** None

**Bluetooth®** Bluetooth 4.0 wireless, integrated in BCM4330

**Dimensions**
- K3011 only (WxHxT): 11.8" x 7.39" x 0.3-0.37": 300.9mm x 187.8mm x 7.6-9.48mm
- With keyboard dock: 12.0" x 7.99" x 0.43-1.01": 305.7mm x 203mm x 10.85-25.54mm

**Weight**
- K3011 only: starting at 2.87 lb (1.30 kg)
- With keyboard dock: starting at 2.87 lb (1.30 kg)

**Case color** Top: Black frame; Bottom: Purple Gray with texture

**Case material** Top: Glass cover; Bottom: PA + 50% Glass Fiber (GF)

**Battery - type** Lithium polymer, 2-cell (6800mAh)

**Battery - life**
- K3011 only: Up to 8 hours Web browsing
- With keyboard dock: Up to 16 hours Web browsing

**In the box** IdeaTab K3011, optional keyboard dock (on some models), AC adapter (charger), micro USB to USB cable, microSD Card prying pin, and documentation

Preloaded operating system
- Windows® 8 32-bit

Preloaded applications (only some listed)
- Traditional Desktop apps
- Lenovo Cloud Storage by SugarSync
- Norton™ Internet Security
- Norton™ AntiVirus
- Microsoft Office 2010 preloaded; purchase product key to activate
- Intel AppUp®
- Windows Store apps (Metro-style)
- AccuWeather
- eBay
- Skype™
- Evernote
- Rara Streaming
- Encyclopedia Britannica
- Merriam Webster
- Fresh Paint
Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, PO Box 12195, RTP NC, 27709. Atn: Dept ZPYA/8676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:
1. Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
2. Weight includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
3. Thinness may vary at certain points on the system.
5. Post-warranty annual maintenance agreement: Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.
6. Public network download modem speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
7. Maximum memory capacity may require the replacement of standard component with largest supported component available. On systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.
8. Hard drive: GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
9. Service upgrade options: Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees.
10. Battery: These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
11. Wireless: Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively; the actual connection will be based on the access point to which it connects.
12. Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.
13. Onsite Repair: If a machine is listed as having “On-site”, this means that on-site service is available for the replacement of parts for warranty repairs. Certain parts, referred to as Customer Replaceable Unit (“CRU”) parts, are easy to install and require little or no tools or technical knowledge. Some examples of CRU parts are mice, keyboards, hard disk drives, speakers, and memory. If your problem can be resolved with a CRU, the Support Center will offer to ship the part to you for your installation.
14. Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.
15. Modem speeds: Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
16. Response times may vary. May exclude some holidays. Telephone support may be subject to additional charges.
17. Telephone support may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.
18. Depot repair service: In the United States call 1-877-453-6686. The customer may be asked certain diagnostic questions before a courier is sent. Your purchase includes this depot repair service, available in the U.S. during the limited warranty period.
19. Operating System: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.
20. For combination drives, maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.
21. Lenovo Services: These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part can be express shipped to you for quick replacement. For notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.
25 **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

28 **The IEEE 802.11n specification (MIMO) has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.**

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