

ideatab™

Personal Systems Reference

Lenovo® IdeaTab™ Tablets

February 2013 - Version 432



Lenovo IdeaTab S2110

Visit www.lenovo.com/psref for the latest version

ideatabTM



IdeaTab Lynx K3011
(Front)



IdeaTab Lynx K3011
(Back)



(Left and Right) (Top and Bottom)

IdeaTab Lynx K3011



IdeaTab Lynx K3011
with optional keyboard dock (coming soon)



IdeaTab Lynx K3011
with optional keyboard dock (coming soon)



IdeaTab Lynx K3011

Part number	Processor	Memory	Widescreen display	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi 802.11	Back color	Blue-tooth	GPS	WWAN	Key-board dock	Battery	OS preload
59343251	Atom Z2760	2GB	11.6" LED IPS	2.0M/None	SGX545	64GB ⁸	11b/g/n ²⁸	Gray	BT4.0	None	None	None	2-cell	Win8 32

- 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 ⁷ / 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® ALC5642 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	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	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 ⁴ , Broadcom® BCM4330 combo chip, supports Wi-Fi and Bluetooth																									
WWAN	None																									
SIM card	None																									
GPS	None																									
Bluetooth®	Bluetooth 4.0 wireless, integrated in BCM4330																									
FM radio	None																									
Dimensions ³	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 ²	IdeaTab K3011 only: starting at 1.41 lb (0.64 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 ¹⁰	IdeaTab 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 ²⁰																										
- Windows® 8 32-bit																										
Preloaded applications ¹⁴ (only some listed)																										
- Traditional Desktop apps																										
• Lenovo Cloud Storage by SugarSync																										
• Norton™ Internet Security																										
• Nitro PDF Pro																										
• 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																										
10-watt AC adapter RoHS-compliant																										
Limited Warranty ¹²																										
- 1-year parts and labor for covered HW repairs only																										
- Available Warranty Extension:																										
• 2-year (total duration) warranty extension 04W8188																										
- 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686																										
- Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html																										

Part number	Processor	Memory	Widescreen display	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi 802.11	Back color	Blue-tooth	GPS	WWAN	Key-board dock	Battery	OS preload
59344276	Atom Z2760	2GB	11.6" LED IPS	2.0M/None	SGX545	64GB ⁸	11b/g/n ²⁸	Gray	BT4.0	None	None	None	2-cell	Win8 32

- 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 ⁷ / 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® ALC5642 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	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	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 ⁴ , Broadcom® BCM4330 combo chip, supports Wi-Fi and Bluetooth																									
WWAN	None																									
SIM card	None																									
GPS	None																									
Bluetooth®	Bluetooth 4.0 wireless, integrated in BCM4330																									
FM radio	None																									
Dimensions ³	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 ²	IdeaTab K3011 only: starting at 1.41 lb (0.64 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 ¹⁰	IdeaTab 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 ²⁰																										
- Windows® 8 32-bit																										
Preloaded applications ¹⁴ (only some listed)																										
- Traditional Desktop apps																										
• Lenovo Cloud Storage by SugarSync																										
• Norton™ Internet Security																										
• Nitro PDF Pro																										
• 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																										
10-watt AC adapter RoHS-compliant																										
Limited Warranty ¹²																										
- 1-year parts and labor for covered HW repairs only																										
- Available Warranty Extension:																										
• 2-year (total duration) warranty extension 04W8188																										
- 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686																										
- Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html																										

ideatabTM



IdeaTab S2109
(Front)



IdeaTab S2109
(Back)



IdeaTab S2109
(Top and Bottom)



IdeaTab S2109
(Left and Right)



IdeaTab S2109
Folio Case (coming soon)



IdeaTab S2109
Screen Protector (coming soon)

Type-model	Processor	GHz	Cores	Memory	Widescreen display	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi 802.11	Back color	Blue-tooth	Bat-tery	GPS	WWAN	OS preload
2291-1EU	Cortex-A9	1.00	Dual	1GB	9.7" LED IPS	1.3M/None	PowerVR SGX540	16GB ⁸	11b/g/n ²⁸	Gray	BT3.0	3-cell	GPS	None	Android 4.0

- 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*

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 ⁷ / 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													
Display	supports 1080p Full HD video out via micro HDMI connector, supports HDCP 9.7" (246.4mm) XGA (1024x768) TFT color, IPS panel, VibrantView (glossy), LED backlight , 420 nits, 4:3 aspect ratio, 900:1 contrast ratio, 133 pixels per inch (ppi) Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical													
Multi-touch	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													
Keyboard Control buttons	Virtual keyboard via Android, portrait and landscape support 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 ⁴ , 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 ³	(WxHxT): 9.7" x 7.3" x 0.35", 247mm x 185.3mm x 8.9mm													
Weight ²	starting at 1.28 lb (580 g);													
Case color	<i>Top:</i> Black frame; <i>Bottom:</i> Matt Gun metal gray													
Case material	<i>Top:</i> Glass cover; <i>Bottom:</i> PC/ABS													
Battery - type	Lithium Ion, 3-cell (24.8Wh)													
Battery - life ¹⁰	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													

See footnotes for important warranty information
US model(s) announced April 24, 2012

Preloaded operating system²⁰

- Android™ 4.0 (Ice Cream Sandwich)

Preloaded applications¹⁴ (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

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

Limited Warranty¹²

- 1-year parts and labor for covered HW repairs only
- Available Warranty Extension:
 - 2-year (total duration) warranty extension 04W8188
- 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
- Award-winning local support, visit <http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html>

Type-model	Processor	GHz	Cores	Memory	Widescreen display	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi 802.11	Back color	Blue-tooth	Battery	GPS	WWAN	OS	preload
2291-1NU	Cortex-A9	1.00	Dual	1GB	9.7"	LED IPS	1.3M/None	PowerVR SGX540	8GB ⁸	11b/g/n ²⁸	Gray	BT3.0	3-cell	GPS	None	Android 4.0
2291-1PU	Cortex-A9	1.00	Dual	1GB	9.7"	LED IPS	1.3M/None	PowerVR SGX540	16GB	11b/g/n	Gray	BT3.0	3-cell	GPS	None	Android 4.0
2291-1QU	Cortex-A9	1.00	Dual	1GB	9.7"	LED IPS	1.3M/None	PowerVR SGX540	32GB	11b/g/n	Gray	BT3.0	3-cell	GPS	None	Android 4.0

- 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**

Positioning	<i>Touchscreen tablet</i>	Preloaded operating system²⁰
Processor	Dual-core ARM® Cortex®-A9 MPCore™ (1.0 GHz per core, dual-core) with Symmetric Multiprocessing (SMP)	- Android™ 4.0 (Ice Cream Sandwich)
Memory	1GB std / 1GB max⁷ / 400MHz LPDDR2 , mobile memory	Preloaded applications¹⁴ (only some listed)
Storage	8GB, 16GB, or 32GB / eMMC (embedded Multi Media Card) flash memory on board	<ul style="list-style-type: none"> Lenovo App Shop Documents To Go® Norton™ Tablet Security PrinterShare™ Mobile Print Zinio AccuWeather Evernote News Republic ooVoo™ Video Call Skype™ SugarSync
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	
Display	supports 1080p Full HD video out via micro HDMI connector, supports HDCP	
	9.7" (246.4mm) XGA (1024x768) TFT color, IPS panel, VibrantView (glossy), LED backlight , 420 nits, 4:3 aspect ratio, 900:1 contrast ratio, 133 pixels per inch (ppi)	
Multi-touch	Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical	
Multi-touch	Capacitive-type multi-touch, supports 5-point	
Camera	<i>Front camera: 1.3-megapixel, fixed focus</i> <i>Rear camera: None</i>	
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	
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 ⁴ , 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	15-watt AC adapter (100-240V) RoHS-compliant
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 ³	(WxHxT): 9.7" x 7.3" x 0.35", 247mm x 185.3mm x 8.9mm	Limited Warranty¹²
Weight ²	starting at 1.28 lb (580 g);	<ul style="list-style-type: none"> 1-year parts and labor for covered HW repairs only
Case color	<i>Top: Black frame;</i>	<ul style="list-style-type: none"> Available Warranty Extension: <ul style="list-style-type: none"> 2-year (total duration) warranty extension 04W8188
Case material	<i>Bottom: Matt Gun metal gray</i>	<ul style="list-style-type: none"> 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html
Battery - type	Lithium Ion, 3-cell (24.8Wh)	
Battery - life ¹⁰	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	

See footnotes for important warranty information

US model(s) announced May 3, 2012

© Lenovo
(GOX1-2) May 2012

ideatabTM



IdeaTab S2110
(Front)



IdeaTab S2110
(Back)



(Left and Right)



(Top and Bottom)

IdeaTab S2110



IdeaTab S2110
with optional keyboard dock



IdeaTab S2110
with optional keyboard dock



Optional keyboard dock

Type-model (Part number)	Processor	Widescreen Memory	display	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi 802.11	Back color	Blue- tooth	GPS	WWAN	Key- board dock	Battery + Battery in dock	OS preload
2258-A1U (59331449)	APQ8060A	1GB	10.1" IPS	1.3M/5.0M	Adreno 225	16GB ⁸	11b/g/n ²⁸	Black	BT4.0	None	None	2-cell		Android 4.0
2258-B4U (59331488)	APQ8060A	1GB	10.1" IPS	1.3M/5.0M	Adreno 225	16GB	11b/g/n	Black	BT4.0	None	None	Dock	2-cell + 2-cell	Android 4.0

- **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 sound 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																									
Processor	Qualcomm® Snapdragon™ S4 Processor APQ8060A																									
CPU	Dual-core Krait CPU (1.5 GHz per core, dual-core, 1MB L2 cache) with aSMP																									
GPU	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	1GB std / 1GB max⁷ / 533MHz LPDDR2 , mobile memory																									
Storage	16GB / eMMC (embedded Multi Media Card) flash memory on board																									
Storage extension	None																									
Display	10.1" (256.5mm) 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																									
Camera	Front camera: 1.3-megapixel, fixed focus Rear camera: 5.0-megapixel, auto focus, LED flash																									
Video capture	720P@30FPS 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																									
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 via Android, portrait and landscape support																									
Control buttons	Volume up, volume down, and power buttons																									
Keyboard Dock	<i>Some:</i> Keyboard Dock, 83 Key, single touch touchpad, two USB 2.0, two micro-USB (no USB function, one for Tablet, one for charging), 3-in-1 Card reader (SD/SDHC/MMC), 2-cell battery (Lithium polymer, 23.4Wh) <i>Dimensions (WxHxT):</i> 10.2" x 7.5" x 0.39"; 259.8mm x 190mm x 9.85mm <i>Weight:</i> 1.32 lb (600 g)																									
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 ⁴ , 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 ³	<i>IdeaTab S2110 only (WxHxT):</i> 10.2" x 7.0" x 0.34"; 259.8mm x 178mm x 8.69mm starting at 1.28 lb (580 g);																									
Weight ²	<i>Top:</i> Black frame; <i>Bottom:</i> Black color with texture, silver frame																									
Case color	<i>Top:</i> Glass cover; <i>Bottom:</i> PC/ABS																									
Case material	Lithium polymer, 2-cell (23.4Wh) <i>IdeaTab S2110 only:</i> Up to 10 hours Web browsing, up to 30 days standby <i>With keyboard dock:</i> Up to 20 hours Web browsing, up to 60 days standby																									
Battery - type	IdeaTab S2110, optional keyboard dock (on some models), AC adapter (charger), USB cable, and documentation																									
Battery - life ¹⁰																										
In the box																										
10-watt AC adapter RoHS-compliant																										
Limited Warranty¹²																										
⇒ 1-year parts and labor for covered HW repairs only																										
⇒ Available Warranty Extension:																										
• 2-year (total duration) warranty extension 04W8188																										
⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686																										
⇒ Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html																										

Type-model	Processor	Memory	Widescreen display	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi 802.11	Back-color	Blue-tooth	GPS	WWAN dock	Keyboard dock	Battery + Battery in dock	OS preload
2258-D1U	APQ8060A	1GB	10.1" LED IPS	1.3M/5.0M	Adreno 225	16GB ⁸	11b/g/n ²⁸	Black	BT4.0	None	None	2-cell		Android 4.0
2258-D2U	APQ8060A	1GB	10.1" LED IPS	1.3M/5.0M	Adreno 225	32GB	11b/g/n	Black	BT4.0	None	None	2-cell		Android 4.0
2258-E4U	APQ8060A	1GB	10.1" LED IPS	1.3M/5.0M	Adreno 225	16GB	11b/g/n	Black	BT4.0	None	None	Dock	2-cell + 2-cell (dock)	Android 4.0
2258-E5U	APQ8060A	1GB	10.1" LED IPS	1.3M/5.0M	Adreno 225	32GB	11b/g/n	Black	BT4.0	None	None	Dock	2-cell + 2-cell (dock)	Android 4.0

- 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 sound 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																									
Processor	Qualcomm® Snapdragon™ S4 Processor APQ8060A																									
CPU	Dual-core Krait CPU (1.5 GHz per core, dual-core, 1MB L2 cache) with aSMP																									
GPU	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	1GB std / 1GB max⁷ / 533MHz LPDDR2 , mobile memory																									
Storage	16GB or 32GB / eMMC (embedded Multi Media Card) flash memory on board																									
Storage extension	None																									
Display	10.1" (256.5mm) 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																									
Camera	Front camera: 1.3-megapixel, fixed focus Rear camera: 5.0-megapixel, auto focus, LED flash																									
Video capture	720P@30FPS 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																									
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 Control buttons	Virtual keyboard via Android, portrait and landscape support Volume up, volume down, and power buttons																									
Keyboard Dock	Some: Keyboard Dock, 83 Key, single touch touchpad, two USB 2.0, two micro-USB (no USB function, one for Tablet, one for charging), 3-in-1 Card reader (SD/SDHC/MMC), 2-cell battery (Lithium polymer, 23.4Wh) Dimensions (WxHxT): 10.2" x 7.5" x 0.39"; 259.8mm x 190mm x 9.85mm Weight: 1.32 lb (600 g)																									
Light sensor G-sensor Gyroscope eCompass	Ambient Light Sensor Accelerometer (G) sensor, supports 3-axis accelerometer 3-axis gyroscope 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 ⁴ , 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 ³	IdeaTab S2110 only (WxHxT): 10.2" x 7.0" x 0.34"; 259.8mm x 178mm x 8.69mm starting at 1.28 lb (580 g);																									
Weight ²	Top: Black frame; Bottom: Black color with texture, silver frame																									
Case color	Top: Glass cover; Bottom: PC/ABS																									
Case material	Lithium polymer, 2-cell (23.4Wh) IdeaTab S2110 only: Up to 10 hours Web browsing, up to 30 days standby With keyboard dock: Up to 20 hours Web browsing, up to 60 days standby																									
Battery - type	IdeaTab S2110, optional keyboard dock (on some models), AC adapter (charger), USB cable, and documentation																									
Battery - life ¹⁰																										
In the box																										
Preloaded operating system ²⁰ - Android™ 4.0 (Ice Cream Sandwich)																										
Preloaded applications ¹⁴ (only some listed) • Documents To Go® • Norton™ Security • PrinterShare™ for Lenovo • ES File Explorer • Zinio • AccuWeather • GO Keyboard • Amazon Kindle • TruMedia • Adobe® Flash® Player • Evernote • News Republic • ooVoo™ • Skype™ • SugarSync • rara.com™ • Shazam • Papaya Free • Hardwood Games - Hardwood Hearts - Hardwood Euchre - Hardwood Backgammon - Hardwood Solitaire - Hardwood Spades • GameTanium™ App Store • Lenovo App Shop • Google Play																										
10-watt AC adapter RoHS-compliant																										
Limited Warranty ¹² ⇒ 1-year parts and labor for covered HW repairs only ⇒ Available Warranty Extension: • 2-year (total duration) warranty extension 04W8188 ⇒ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686 ⇒ Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html																										

ideatab™



IdeaTab A2107



IdeaTab A2107



IdeaTab A2107
(Top and Bottom)



IdeaTab A2107
(Left and Right)



IdeaTab A2107 Case
(coming soon)



IdeaTab A2107 Screenguard
(coming soon)

ideatab™



IdeaTab A2107



IdeaTab A2107



IdeaTab A2107
(Top and Bottom)



IdeaTab A2107
(Left and Right)



IdeaTab A2107 Case
(coming soon)



IdeaTab A2107 Screenguard
(coming soon)

Part number	Platform	Processor	GHz	Cores	Memory	Display	Camera Front/rear (Megapixel)	Storage	WiFi 802.11	Back color	Blue- tooth	GPS	WWAN	Carrier	Battery	OS preload
59346799	MT6575	Cortex-A9	1.00	Single	512MB	7.0" TN LED	0.3M/2.0M	8GB ⁸	11b/g/n ²⁸	Black	BT4.0	GPS			3550mAH	Android 4.0
59335903	MT6575	Cortex-A9	1.00	Single	1GB	7.0" TN LED	0.3M/2.0M	16GB	11b/g/n	Black	BT4.0	GPS	WWAN	AT&T	3550mAH	Android 4.0

- **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	Preloaded operating system ²⁰
Platform	MediaTek MT6575	- Android™ 4.0 (Ice Cream Sandwich)
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	Preloaded applications ¹⁴ (only some listed)
Graphics		Games <ul style="list-style-type: none"> • Exent GameTanium™ • Papaya Mobile • Cut the Rope • Vendetta Online • Silvercreek 5 Card Games Entertainment <ul style="list-style-type: none"> • Slacker Radio • Amazon MP3 Business <ul style="list-style-type: none"> • Documents To Go® • Printershare™ for Lenovo • Norton™ Mobile Security SNS <ul style="list-style-type: none"> • ooVoo™ • Skype™ • PokeTalk • imo.im Life <ul style="list-style-type: none"> • Accuweather • News Republic • Zinio • Amazon Kindle • Next Issue Media • ES File Explorer
Memory	512MB or 1GB std / 1GB max⁷ / 400MHz LPDDR2 , 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	7.0" (177.8mm) WSVGA (1024x600) TFT color , Twisted nematic (TN) technology, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170 PPI (Pixels Per Inch), 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	None	
eCompass	None	
Ports	micro USB (Charger port and Data sync), microphone / headphone combo jack (3.5 mm)	
WLAN	11b/g/n wireless ⁴ , 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 ⁵ , 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 ³	(WxHxT): 7.6" x 4.8" x 0.45", 192mm x 122mm x 11.5mm	Limited Warranty ¹²
Weight ²	starting at 0.88 lb (400 g);	<ul style="list-style-type: none"> ⇒ 1-year parts and labor for covered HW repairs only
Case color	Top: Black frame; Bottom: Matt black	<ul style="list-style-type: none"> ⇒ Available Warranty Extension:
Case material	Top: Glass (on panel) and frame (Polycarbonate + 20% Glass Fiber); Bottom: Polycarbonate (PC)	<ul style="list-style-type: none"> • 2-year (total duration) warranty extension 04W8188
Battery - type	Lithium polymer, 1-cell (13.5Wh / 3550mAh)	<ul style="list-style-type: none"> ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Battery - life ¹⁰	Up to 10 hours Wi-Fi Web browsing	<ul style="list-style-type: none"> ⇒ Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html
In the box	IdeaTab A2107, AC adapter (charger), micro USB to USB cable, and documentation	

See footnotes for important warranty information

⁴ US model(s) announced February 21, 2013; previous model(s) on December 13, 2012

© Lenovo

(SONG1-1) February 2013

Type-model / Part number	Platform	Processor	Memory	Display	Camera Front/rear (Megapixel)	Storage	WiFi	Back color	Blue-tooth	GPS	WWAN	Carrier	Battery	OS preload
2298-B4U	MT6575	Cortex-A9	512MB	7.0" TN LED	0.3M/2.0M	8GB ⁸	11b/g/n ²⁸	Black	BT4.0	GPS			3550mAH	Android 4.0
2298-B7U / 59345263	MT6575	Cortex-A9	1GB	7.0" TN LED	0.3M/2.0M	16GB	11b/g/n	Black	BT4.0	GPS	WWAN	AT&T	3550mAH	Android 4.0

- **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 Processor Graphics	MediaTek MT6575 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													
Memory	512MB or 1GB std / 1GB max⁷ / 400MHz LPDDR2 , mobile memory													
Storage Storage extension	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) WSVGA (1024x600) TFT color , Twisted nematic (TN) technology, VibrantView (glossy), LED backlight , 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170 PPI (Pixels Per Inch), 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 Control buttons Keyboard Dock	Virtual keyboard via Android, portrait and landscape support Volume up, volume down, and power buttons None													
Light sensor G-sensor Gyroscope eCompass	Ambient Light Sensor Accelerometer (G) sensor, supports 3-axis accelerometer None None													
Ports	micro USB (Charger port and Data sync), microphone / headphone combo jack (3.5 mm)													
WLAN WWAN SIM card Carrier GPS Bluetooth® FM radio	11b/g/n wireless ⁴ , MediaTek MT6620 combo chip, Supports Wi-Fi, Bluetooth 4.0, and GPS Some: Wireless WAN, MT6167 chipset, GSM/WCDMA/HSPA Some: One SIM card slot Some: AT&T ⁵ , contract required with service provider GPS, supports A-GPS (Assisted GPS) on WWAN (3G) models Bluetooth 4.0 wireless, integrated in MT6620 None													
Dimensions ³ Weight ² Case color	(WxHxT): 7.6" x 4.8" x 0.45", 192mm x 122mm x 11.5mm starting at 0.88 lb (400 g); Top: Black frame; Bottom: Matt black													
Case material	Top: Glass (on panel) and frame (Polycarbonate + 20% Glass Fiber); Bottom: Polycarbonate (PC)													
Battery - type Battery - life ¹⁰	Lithium polymer, 1-cell (13.5Wh / 3550mAh) Up to 10 hours Wi-Fi Web browsing													
In the box	IdeaTab A2107, AC adapter (charger), micro USB to USB cable, and documentation													
Preloaded operating system²⁰ <ul style="list-style-type: none"> - Android™ 4.0 (Ice Cream Sandwich) Preloaded applications¹⁴ (only some listed) Games <ul style="list-style-type: none"> • Exent GameTanium™ • Papaya Mobile • Cut the Rope • Vendetta Online • Silvercreek 5 Card Games Entertainment <ul style="list-style-type: none"> • Slacker Radio • Amazon MP3 Business <ul style="list-style-type: none"> • Documents To Go® • Printershare™ for Lenovo • Norton™ Mobile Security SNS <ul style="list-style-type: none"> • ooVoo™ • Skype™ • PokeTalk • imo.im Life <ul style="list-style-type: none"> • Accuweather • News Republic • Zinio • Amazon Kindle • Next Issue Media • ES File Explorer Lenovo <ul style="list-style-type: none"> • Lenovo Registration • Evernote • SugarSync App Store <ul style="list-style-type: none"> • Lenovo App Shop • Google Play Limited Warranty¹² <ul style="list-style-type: none"> ⇒ 1-year parts and labor for covered HW repairs only ⇒ Available Warranty Extension: <ul style="list-style-type: none"> • 2-year (total duration) warranty extension 04W8188 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 ⇒ Award-winning local support, visit http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html 														

ideatabTM



IdeaTab A2109
(Front)



IdeaTab A2109
(Back)



IdeaTab A2109
(Top and Bottom)



IdeaTab A2109
(Left and Right)



IdeaTab A2109
Folio Cover (coming soon)



IdeaTab A2109
Screen Protector (coming soon)

Type-model / Part number	Processor	Memory	Display	Multi-Touch	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi 802.11	Back color	Blue-tooth	GPS	WWAN	Battery	OS preload
2290-1DU / 59331887	Tegra3 T30SL	1GB	9.0" TN	10-point	1.3M/3.0M	ULP GeForce	16GB ⁸	11b/g/n ²⁸	Black	BT3.0	GPS	None	2-cell	Android 4.0

- **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**

Positioning	<i>Touchscreen tablet</i>													
Processor CPU	NVIDIA® Tegra® 3 T30SL 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 ULP (Ultra-low power) GeForce GPU , integrated in Tegra 3, provides dedicated 2D/3D graphics hardware accelerator, OpenGL ES 2.0 supports 1080p Full HD video out via micro HDMI connector, 720p video on tablet													
Memory	1GB std / 1GB max⁷ / 1333MHz DDR3L , mobile memory													
Storage Storage extension	8GB or 16GB / eMMC (embedded Multi Media Card) flash memory on board One microSD Card slot, support up to 32GB													
Display	9.0" (228.6mm) WXGA (1280x800) TFT color , Twisted nematic (TN) technology, VibrantView (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 Rear camera: 3.0-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 Control buttons	Virtual keyboard via Android, portrait and landscape support Volume up / down button, power button, and screen rotation lock													
Keyboard Dock	None													
Light sensor G-sensor Gyroscope eCompass	Ambient Light Sensor Accelerometer (G) sensor, supports 3-axis accelerometer None None													
Ports	micro USB (Charger port and Data sync), micro-HDMI, microphone / headphone combo jack (3.5 mm)													
WLAN WWAN SIM card GPS Bluetooth® FM radio	11b/g/n wireless ⁴ , Broadcom® BCM4330 combo chip, Supports Wi-Fi and Bluetooth None None GPS (Global Positioning System), Broadcom BCM47511 Bluetooth 3.0 wireless, integrated in BCM4330 None													
Dimensions ³ Weight ² Case color	(WxHxT): 9.3" x 6.5" x 0.46"; 236mm x 164mm x 11.65mm starting at 1.26 lb (570 g); <i>Top:</i> Black frame; <i>Bottom:</i> Champagne gold color													
Case material	<i>Top:</i> Glass cover; <i>Bottom:</i> aluminum metal exterior shell													
Battery - type	Lithium polymer, 2-cell (22.94Wh / 6200mAh)													
Battery - life ¹⁰	Up to 10 hours Web browsing													
In the box	IdeaTab A2109, AC adapter (charger), USB cable, and documentation													

See footnotes for important warranty information
US model(s) announced October 24, 2012

Preloaded operating system²⁰

- Android™ 4.0 (Ice Cream Sandwich)

Preloaded applications¹⁴ (only some listed)

Games

- Exent GameTanium™
- Cut the Rope

Business

- Documents To Go®
- Printershare™ for Lenovo
- Norton™ Mobile Security

SNS

- ooVoo™
- Skype™
- PokeTalk

Life

- Accuweather
- News Republic
- Zinio
- Amazon Kindle
- ES File Explorer
- GO Keyboard
- Adobe® Flash player

Lenovo

- Lenovo Registration
- Evernote
- SugarSync
- App Store
- Lenovo App Shop
- Google Play

10-watt AC adapter (5V/2A)
RoHS-compliant

Limited Warranty¹²

- ⇒ **1-year parts and labor for covered HW repairs only**
- ⇒ **Available Warranty Extension:**
 - **2-year (total duration) warranty extension** 04W8188
- ⇒ **24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686**
- ⇒ **Award-winning local support, visit <http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html>**

Type-model	Processor	GHz	Cores	Memory	Display	Multi-Touch	Camera Front/rear (Megapixel)	Graphics	Storage	WiFi	Back-color	Blue-tooth	GPS	WWAN	Battery	OS	preload
2290-1AU	Tegra3 T30SL	1.20	Quad	1GB	9.0" TN	10-point	1.3M/3.0M	ULP GeForce	8GB ⁸	11b/g/n ²⁸	Black	BT3.0	GPS	None	2-cell	Android 4.0	
2290-1BU	Tegra3 T30SL	1.20	Quad	1GB	9.0" TN	10-point	1.3M/3.0M	ULP GeForce	16GB	11b/g/n	Black	BT3.0	GPS	None	2-cell	Android 4.0	

- **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**

Positioning	<i>Touchscreen tablet</i>														
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 ULP (Ultra-low power) GeForce GPU , integrated in Tegra 3, provides dedicated 2D/3D graphics hardware accelerator, OpenGL ES 2.0 supports 1080p Full HD video out via micro HDMI connector, 720p video on tablet														
Memory	1GB std / 1GB max⁷ / 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, VibrantView (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 Rear camera: 3.0-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														
Keyboard Dock	None														
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 ⁴ , Broadcom® BCM4330 combo chip, Supports Wi-Fi and Bluetooth														
WWAN	None														
SIM card	None														
GPS	GPS (Global Positioning System), Broadcom BCM47511														
Bluetooth®	Bluetooth 3.0 wireless, integrated in BCM4330														
FM radio	None														
Dimensions ³	(WxHxT): 9.3" x 6.5" x 0.46"; 236mm x 164mm x 11.65mm														
Weight ²	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 ¹⁰	Up to 10 hours Web browsing														
In the box	IdeaTab A2109, AC adapter (charger), USB cable, and documentation														

Preloaded operating system²⁰

- Android™ 4.0 (Ice Cream Sandwich)

Preloaded applications¹⁴ (only some listed)**Games**

- Exent GameTanium™
- Cut the Rope

Business

- Documents To Go®
- Printershare™ for Lenovo
- Norton™ Mobile Security

SNS

- ooVoo™
- Skype™
- PokeTalk

Life

- Accuweather
- News Republic
- Zinio
- Amazon Kindle
- ES File Explorer
- GO Keyboard
- Adobe® Flash player

Lenovo

- Lenovo Registration
- Evernote
- SugarSync
- App Store
- Lenovo App Shop
- Google Play

**10-watt AC adapter (5V/2A)
RoHS-compliant****Limited Warranty¹²**

- ⇒ **1-year parts and labor for covered HW repairs only**
- ⇒ **Available Warranty Extension:**
 - **2-year (total duration) warranty extension** 04W8188
- ⇒ **24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686**
- ⇒ **Award-winning local support, visit <http://consumersupport.lenovo.com/us/en/supportphonelist/supportphone.html>**

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, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. 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.
- ⁴ **Wireless capability:** Requires compatible wireless-enabled options sold separately.
- 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 to install.
- 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.
- ¹⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.
- ¹⁹ **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.
- ²⁰ **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.
- ²¹ **For combination drives,** maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.
- ²² **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.



This publication was developed for products and services offered in the United States. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. **LENOVO PROVIDES THIS PUBLICATION "AS IS," WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.

Trademarks: Lenovo, the Lenovo logo, New World. New Thinking., Access Connections, Rescue and Recovery, ThinkVantage, and ThinkVision are trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Inside logo, Intel Atom, Intel Core and Core Inside are trademarks of Intel Corporation in the US and other countries. Other company, product, or service names may be trademarks or service marks of others.

ENERGY STAR: As an ENERGY STAR Partner, Lenovo has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Visit www.lenovo.com/safecomputing periodically for the latest information on safe and effective computing.

Visit www.lenovo.com/psref for the latest version of Personal Systems Reference.

© Lenovo, 2013.
All rights reserved.

Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

February 2013
itbook.pdf