



Lenovo® ThinkPad 8



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# ThinkPad 8 (20BN) - TopSeller

Product Specifications Reference (PSREF)

| Type-model | Processor  | Memory | Widescreen display | Storage | Camera Front/Rear (MP) | Bluetooth Keyboard w/ Stand | WLAN 802.11             | PCIe Mini Card WWAN | Carrier | NFC  | Blue-tooth | Preload      | Ann Date (mm/yy) |
|------------|------------|--------|--------------------|---------|------------------------|-----------------------------|-------------------------|---------------------|---------|------|------------|--------------|------------------|
| 20BN000VUS | Atom Z3770 | 2GB    | 8.3" WUXGA         | 128G    | 2.0/8.0                | None                        | 11a/b/g/n <sup>28</sup> | None                | None    | None | BT         | Win8.1 32    | 01/14            |
| 20BN000UUS | Atom Z3770 | 2GB    | 8.3" WUXGA         | 64G     | 2.0/8.0                | None                        | 11a/b/g/n               | None                | None    | None | BT         | Win8.1 32    | 01/14            |
| 20BN001RUS | Atom Z3770 | 2GB    | 8.3" WUXGA         | 128G    | 2.0/8.0                | None                        | 11a/b/g/n               | None                | None    | None | BT         | Win8.1 Pro32 | 01/14            |
| 20BN002DUS | Atom Z3770 | 2GB    | 8.3" WUXGA         | 64G     | 2.0/8.0                | None                        | 11a/b/g/n               | None                | None    | None | BT         | Win8.1 Pro32 | 01/14            |

|   |  |  |
|---|--|--|
| Positioning   | <i>Touchscreen tablet for on-the-go business</i>   | <b>Preloaded operating system<sup>20</sup></b><br>- Some: Windows® 8.1 32-bit<br>- Some: Windows 8.1 Pro 32-bit<br><br><b>Preloaded applications<sup>14</sup></b> (only some listed)<br>• Lenovo Support<br>• Lenovo Companion<br>• Norton™ Internet Security (30 days of virus definitions)<br>• ThinkVantage System Update<br>• AccuWeather<br>• Evernote®<br>• Nitro PDF<br>• Amazon Kindle |
| Processor   | <b>Intel® Atom™ Processor Z3770 (4 cores, 2.40GHz, 2MB cache),</b> LPDDR3 memory controller (1067MHz)  |  |
| Memory  | 2GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard, no sockets   |  |
| Storage   | 64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board   |  |
| Storage extension   | One microSD Card slot, supports up to 64GB   |  |
| Graphics  | <b>Intel HD graphics</b> in Intel Atom SoC, supports 1080p video out via mini-HDMI™ connector, HDCP-compliant  |  |
| Display   | <b>8.3"</b> (210.8mm) <b>WUXGA (1920x1200) TFT color</b> , smudgeless display with infinity AGC Dragontrail™ Glass, LED backlight, 370 nits, 16:10 aspect ratio, 500:1 contrast ratio, IPS, WideView (160° viewing), MultiTouch screen supports 10-finger gesture  |  |
| Tablet pen  | None   |  |
| Camera  | <i>Front camera:</i> 2.0-megapixel, fixed focus<br><i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED  |  |
| Video capture   | 1080p video capture  |  |
| Audio support   | Realtek® ALC5672 codec / stereo speakers, 0.5 watt x 2 / dual array digital microphone, combo audio/microphone jack  |  |
| Media capable   | Audio formats: MP3, AAC, AAC+, AC3, PCM, WMA, WAV, AVI<br>Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Motion-JPG  |  |
| Control buttons   | Windows button, Power button, volume control button, reset switch  |  |
| Light sensor  | Ambient Light Sensor, ISL29023   |  |
| G-sensor/<br>eCompass<br>Gyroscope  | 3D accelerometer and 3D magnetometer module, AK8963C<br>InvenSense MPU6050   |  |
| Platform  | <b>Intel Atom Z3770 SoC (System on Chip) platform</b>  |  |
| Ports   | One micro-USB 3.0, one micro-HDMI, headphone/microphone combo jack   |  |
| WLAN <sup>4</sup><br>WWAN<br>Carrier<br>GNSS<br>Bluetooth™<br>NFC             | 11a/b/g/n <sup>28</sup> wireless, ThinkPad 11a/b/g/n, 1x1, WiFi + Bluetooth combo chip<br>None<br>None<br>None<br>Bluetooth 4.0 wireless, integrated in WiFi + Bluetooth combo chip<br>None  |  |
| Dimensions <sup>3</sup><br>Weight <sup>2</sup><br>Case color<br>Case material | 8.83" x 5.20" x 0.35"; 224.3mm x 132.0mm x 8.8mm<br><i>WiFi only:</i> from 0.95 lb (0.43kg)<br>Black<br>ALuminium top cover, Edge Profile Rubber   |  |
| Battery - type<br>Battery - life <sup>10</sup>                                | Lithium Polymer, 20.5Whr<br>up to 17 days (standby);<br>up to 8.0 hr (web browsing with flash)   |  |
| Limited Warranty <sup>12</sup>  | <b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available  |  |
|   | 10-watt AC adapter (via micro-USB)<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup><br><br>For Lenovo service <sup>22</sup> upgrade options, please go to S-Tablet sheet |  |

See footnotes for more detailed information  
US model(s) announced January 28, 2014

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# ThinkPad 8 (20BQ)

Product Specifications Reference (PSREF)

| Type-model | Processor  | Memory | Widescreen display | Storage | Camera Front/Rear (MP) | Bluetooth Keyboard w/ Stand | WLAN 802.11             | PCIe Mini Card WWAN | Carrier | NFC  | Blue-tooth | Preload      | Global (mm/yy) | Ann Date |
|------------|------------|--------|--------------------|---------|------------------------|-----------------------------|-------------------------|---------------------|---------|------|------------|--------------|----------------|----------|
| 20BQ000KUS | Atom Z3770 | 2GB    | 8.3" WUXGA         | 64G     | 2.0/8.0                | None                        | 11a/b/g/n <sup>28</sup> | None                | None    | None | BT         | Win8.1 32    | G              | 01/14    |
| 20BQ000LUS | Atom Z3770 | 2GB    | 8.3" WUXGA         | 128G    | 2.0/8.0                | None                        | 11a/b/g/n               | None                | None    | None | BT         | Win8.1 32    | G              | 01/14    |
| 20BQ0012US | Atom Z3770 | 2GB    | 8.3" WUXGA         | 128G    | 2.0/8.0                | None                        | 11a/b/g/n               | None                | None    | None | BT         | Win8.1 Pro32 | G              | 01/14    |
| 20BQ0015US | Atom Z3770 | 2GB    | 8.3" WUXGA         | 64G     | 2.0/8.0                | None                        | 11a/b/g/n               | None                | None    | None | BT         | Win8.1 Pro32 | G              | 01/14    |
| 20BQ001GUS | Atom Z3795 | 4GB    | 8.3" WUXGA         | 128G    | 2.0/8.0                | None                        | 11a/b/g/n               | None                | None    | None | BT         | Win8.1 Pro64 | G              | 06/14    |

|  |   |  |
|--|---|--|
| Positioning  | <i>Touchscreen tablet for on-the-go business</i>  | <b>Preloaded operating system<sup>20</sup></b><br>- Some: Windows® 8.1 32-bit<br>- Some: Windows 8.1 Pro 32-bit<br>- Some: Windows 8.1 Pro 64-bit<br><br><b>Preloaded applications<sup>14</sup></b> (only some listed)<br>• Lenovo Support<br>• Lenovo Companion<br>• Norton™ Internet Security (30 days of virus definitions)<br>• ThinkVantage System Update<br>• AccuWeather<br>• Evernote®<br>• Nitro PDF<br>• Amazon Kindle |
| Processor  | <b>Intel® Atom™ Processor Z3770 (4 cores, 2.40GHz, 2MB cache)</b> , LPDDR3 memory controller (1067MHz), support 32-bit OS<br><b>Intel Atom Processor Z3795 (4 cores, 2.40GHz, 2MB cache)</b> , LPDDR3 memory controller (1067MHz), support 64-bit OS              |  |
| Memory   | 2GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard, no sockets  |  |
| Storage  | 64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board  |  |
| Storage extension  | One microSD Card slot, supports up to 64GB  |  |
| Graphics   | <b>Intel HD graphics</b> in Intel Atom SoC, supports 1080p video out via mini-HDMI™ connector, HDCP-compliant   |  |
| Display  | <b>8.3"</b> (210.8mm) <b>WUXGA (1920x1200) TFT color</b> , smudgeless display with infinity AGC Dragontrail™ Glass, LED backlight, 370 nits, 16:10 aspect ratio, 500:1 contrast ratio, IPS, WideView (160° viewing), MultiTouch screen supports 10-finger gesture |  |
| Tablet pen   | None  |  |
| Camera   | <i>Front camera:</i> 2.0-megapixel, fixed focus<br><i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED   |  |
| Video capture  | 1080p video capture   |  |
| Audio support  | Realtek® ALC5672 codec / stereo speakers, 0.5 watt x 2 / dual array digital microphone, combo audio/microphone jack   |  |
| Media capable  | Audio formats: MP3, AAC, AAC+, AC3, PCM, WMA, WAV, AVI<br>Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Motion-JPG   |  |
| Control buttons  | Windows button, Power button, volume control button, reset switch   |  |
| Light sensor   | Ambient Light Sensor, ISL29023  |  |
| G-sensor/<br>eCompass<br>Gyroscope   | 3D accelerometer and 3D magnetometer module, AK8963C<br>InvenSense MPU6050  |  |
| Platform   | <b>Intel Atom Z3770 SoC (System on Chip) platform</b>   |  |
| Ports  | One micro-USB 3.0, one micro-HDMI, headphone/microphone combo jack  |  |
| WLAN <sup>4</sup>  | 11a/b/g/n <sup>28</sup> wireless, ThinkPad 11a/b/g/n, 1x1, WiFi + Bluetooth combo chip  |  |
| WWAN   | None  |  |
| Carrier  | None  |  |
| GNSS   | None  |  |
| Bluetooth™   | Bluetooth 4.0 wireless, integrated in WiFi + Bluetooth combo chip   |  |
| NFC  | None  |  |
| Dimensions <sup>3</sup>  | 8.83" x 5.20" x 0.35"; 224.3mm x 132.0mm x 8.8mm  | 10-watt AC adapter (via micro-USB)<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup><br><br>For Lenovo service <sup>22</sup> upgrade options, please go to S-Tablet sheet   |
| Weight <sup>2</sup>  | <i>WiFi only:</i> from 0.95 lb (0.43kg)   |  |
| Case color   | Black   |  |
| Case material  | ALuminium top cover, Edge Profile Rubber  |  |
| Battery - type   | Lithium Polymer, 20.5Whr  |  |
| Battery - life <sup>10</sup>   | up to 17 days (standby);<br>up to 8.0 hr (web browsing with flash)  |  |
| Limited Warranty <sup>12</sup> <b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available |   |  |

See footnotes for more detailed information

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