Portege Z30-A Detailed Product Specification

Model Name: Z30-A1302 | Part Number: PT241U-010005 | UPC: 022265633526

Operating System  
- Windows 7 Professional (Windows 8.1 Pro license and recovery media included)

Processor and Graphics  
- Intel® Core™ i7-4600U Processor  
  o (4M Cache, up to 3.3GHz) with Intel® Turbo Boost Technology 2.0  
- Intel® AMT 9.5  
- Mobile Intel® HD Graphics with up to 1792MB dynamically allocated shared graphics memory

Memory (memory is not user upgradable, factory installed only)  
- Configured with 8GB DDR3L 1600MHz (max 16GB)  
- Two memory slots. One slot occupied.

Storage Drive  
- 256GB mSATA solid state drive (SSD)

Fixed Optical Disk Drive  
- Not Available

Display  
- 13.3" diagonal widescreen TFT display at 1366 x 768 native resolution (HD)  
  o LED Backlit  
  o Native support for 720p content  
  o 16:9 aspect ratio

Sound  
- Built-in stereo speakers  
- DTS Studio Sound™

Input Devices  
- Premium Spill-resistant Raised Tile Keyboard (black)  
  o LED Backlit  
- Accupoint pointing device  
- Touch pad pointing device with multi-touch control

Communications  
- Full HD webcam (2.0 MP) and stereo microphone  
- Intel® Gigabit Network Connection (10/100/1000)  
- Intel® Dual-Band Wireless-N 7260 2x2 AC Plus Bluetooth 4.0²

Expandability  
- Memory Card Reader  
  o Secure Digital, Secure Digital High Capacity, Mini SD Card, Micro SD, Micro SDHC Multi Media Card [shared slot may require adapter for use]

Ports  
- Video  
  o RGB  
  o HDMI®
- Audio  
  o Microphone input/ Headphone output (shared)
- Data  
  o 3 USB 3.0⁷ ports-1 with USB Sleep and Charge¹¹  
  o RJ-45 LAN port  
  o Docking Connector
- Security  
  o Fingerprint Reader  
  o Slot for security lock

Physical Description  
- Cosmo Silver
- Dimensions (W x D x H Front/H Rear):  
  o 12.44" x 8.94" x 0.55"/0.70"  
  o 316mm x 227mm x 13.9mm/17.9mm
- Weight: Starting at 2.6 lbs (1.20kg) depending upon configuration¹²

Power  
- 45W (19V 2.37A) 100-240V/50-60Hz AC Adapter

Battery  
- Weight: starting at 0.45 lbs.

Toshiba EasyGuard  
- Protect & Fix  
  o HALT Tested Design  
  o LCD Cover Face and Point pressure Resistant Design  
  o Hinge Design Enhancement  
  o Spill Resistant Keyboard  
  o TOSHIBA PC Diagnostic Tool  
  o TOSHIBA PC Health Monitor  
  o TOSHIBA Shock Protection System
- Secure  
  o Execute Disable Bit  
  o Fingerprint Reader (includes software for password and identity management)  
  o Multiple-Level Password Utilities  
  o Reinforced Security Cable Lock Slot  
  o Trusted Platform Module v1.2
- Connect  
  o Bluetooth Stack for Windows by Toshiba  
  o Diversity Antenna  
  o Voice-over-IP Ready Design  
  o Wireless Communication On/Off
- Optimize  
  o FN Shortcut Keys  
  o TOSHIBA eco Utility™  
  o TOSHIBA Power Management Extension  
  o TOSHIBA Recovery Media Creator

Software  
- (may vary depending on OS)  
  o Toshiba Software and Utilities  
    o TOSHIBA eco Utility™  
    o TOSHIBA Fingerprint Utility  
    o TOSHIBA Power Management Extension  
    o TOSHIBA Recovery Media Creator  
- Third-party Software  
  o Adobe Flash Player  
  o Internet Explorer® 10  
  o DTS Studio Sound™  
  o Norton™ Security  
  o Norton™ Anti-Theft

3 YEAR STANDARD LIMITED WARRANTY ¹⁸  
- Includes International Limited Warranty for obtaining service when traveling outside the United States.

Environmental Specifications  
- This product is RoHS³ compatible  
- ENERGY STAR® Qualified  
- EPEAT Gold Rated

<table>
<thead>
<tr>
<th>Condition</th>
<th>Operating</th>
<th>Non-operating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>5°C to 35°C</td>
<td>-20°C to 65°C</td>
</tr>
<tr>
<td>Thermal Gradient</td>
<td>15°C per hour (max)</td>
<td>20°C per hour</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>20% to 80%</td>
<td>10% to 90%</td>
</tr>
</tbody>
</table>

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Portege Z30-A1302

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This product specification is variable and subject to change prior to product launch.

### Service Upgrades and Extensions
Toshiba offers many different enhanced services such as SystemGuard®, On-Site Repair, and ServiceExpress to provide additional support to your notebook PC. For a full description and complete list of programs and program terms and conditions, please visit [www.support.toshiba.com](http://www.support.toshiba.com).

### Accessories
For additional and most updated accessories, please visit [www.accessories.toshiba.com](http://www.accessories.toshiba.com).

### Memory Upgrade
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PA5104U-1M4G</td>
<td>Toshiba 4GB DDR3/DDR3L-1600MHz Memory Module</td>
</tr>
<tr>
<td>PA5104U-1MBG</td>
<td>Toshiba 8GB DDR3/DDR3L-1600MHz Memory Module</td>
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</tbody>
</table>

### Power
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>PA5044U-1ACA</td>
<td>Toshiba 45W Global AC Adapter</td>
</tr>
<tr>
<td>PA5096U-1ACA</td>
<td>Toshiba 45W Global AC Adapter (L-type)</td>
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### Expansion
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>PA3834U-1DV2</td>
<td>Toshiba USB Portable DVD SuperMulti Drive (Tray Load)</td>
</tr>
<tr>
<td>PA5116U-1PRP</td>
<td>Toshiba Hi-Speed Port Replicator III</td>
</tr>
<tr>
<td>PA5082U-1PRP</td>
<td>dynadock V3.0 Universal USB Docking Station</td>
</tr>
</tbody>
</table>

### Carrying Case
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PA3927U-1PRP</td>
<td>dynadock U3.0 Universal USB Docking Station</td>
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</tbody>
</table>

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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PA1454U-1SN2</td>
<td>Toshiba Neoprene Case, Black (Fits up to 13.3&quot; Ultralight)</td>
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<tr>
<td>PA1444U-1CS2</td>
<td>Toshiba Envoy Ballistic Polyester Carrying Case (Fits up to 13.3&quot; Ultralight)</td>
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<tr>
<td>PA1459U-1CL2</td>
<td>Toshiba Envoy Leather Carrying Case (Fits up to 13.3&quot; Ultralight)</td>
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### Bluetooth
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>PA3847U-1ETB</td>
<td>Toshiba Bluetooth Laser Mouse, Gloss Black</td>
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</tbody>
</table>

### Display
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA5022U-1LC3</td>
<td>Toshiba 15.6-inch Mobile Monitor</td>
</tr>
</tbody>
</table>

### Storage
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PA3879U-1M4S</td>
<td>Toshiba 4GB Micro Swivel USB Flash Drive</td>
</tr>
<tr>
<td>PA3879U-1MBS</td>
<td>Toshiba 8GB Micro Swivel USB Flash Drive</td>
</tr>
<tr>
<td>PA3879U-1MAS</td>
<td>Toshiba 16GB Micro Swivel USB Flash Drive</td>
</tr>
<tr>
<td>HDTC607XK3A1</td>
<td>Toshiba Canvio USB 3.0 750GB Portable Hard Drive, Black</td>
</tr>
<tr>
<td>HDTC610XK3B1</td>
<td>Toshiba Canvio USB 3.0 1TB Portable Hard Drive, Black</td>
</tr>
<tr>
<td>HDTC615XK3B1</td>
<td>Toshiba Canvio USB 3.0 1.5TB Portable Hard Drive, Black</td>
</tr>
</tbody>
</table>

### Subject to Change
While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba’s Web site at [http://www.support.toshiba.com](http://www.support.toshiba.com).

### Return Policy
Notwithstanding anything to the contrary in any third party License Agreement or product documentation supplied with your PC, Toshiba America Information Systems, Inc. ("TAIS") does not accept the return of component parts, or bundled software, that have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer’s standard return policies and procedures.

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Irvine CA 92618

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1. **Product Series Legal Footnote.** The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at pcsupport.toshiba.com.

2. **Product Offering Legal Footnote.** Toshiba America Information Systems, Inc. reserves the right to modify or withdraw this offer at anytime without notice.
2 Operating System.
Also see 64-Bit Computing Legal Footnote, if applicable.

Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft’s privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

Offers. Offer terms, duration and product availability all subject to change without notice

3 Processor (Central Processing Unit). Also see 64-Bit Computing Legal Footnote, if applicable.

CPU performance in your computer product may vary from specifications under the following conditions:

1. use of certain external peripheral products
2. use of battery power instead of AC power
3. use of certain multimedia, computer generated graphics or video applications
4. use of standard telephone lines or low speed network connections
5. use of complex modeling software, such as high end computer aided design applications
6. use of several applications or functionalities simultaneously
7. use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
8. use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please visit the Toshiba website at www.pcsupport.toshiba.com for details).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. Use your computer product only under recommended conditions. Read additional restrictions under “Environmental Conditions” in your product “Detailed Specs.” Contact Toshiba Technical Service and Support for more information.

4 Graphics (Graphics Processing Unit). GPU performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Total Available Graphics Memory is the total of, as applicable, Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory will vary depending on system memory size and other factors.

5 Memory (Main System). Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. Computers configured with a 32-bit operating system can address up to 3GB of system memory. Only computers configured with a 64-bit operating system can address 4 GB or more of system memory.

6 Storage Drive.

Computer (Internal) HDD Capacity. One Gigabyte (GB) means 10^9 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 2^30 = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

Solid State Drive (SSD) Capacity.

Computer (Internal) SSD Capacity. One Gigabyte (GB) means 10^9 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 2^30 = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

7 Optical Drive. Due to manufacturing and quality variations in third party optical media (e.g., CD or DVD) or optical media players/recorders, in certain cases, your Toshiba optical drive may not record on certain optical media that bear the applicable logo, or playback optical media recorded by other PCs or optical media recorders. Additionally, certain optical media recorded on your optical drive may not playback or operate properly on other PCs or optical media players. These problems are not due to any defect in your Toshiba PC or optical drive. Please refer to your PC’s product specification for listing of specific format compatibilities.

Recording or viewing of certain optical media may be limited or prevented in accordance with applicable copy protection standards.

8 Display. Small bright dots may appear on your screen display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the screen will deteriorate. This is also an intrinsic characteristic of the screen technology. When the computer is operated on battery power, the screen with dim and you may not be able to increase the brightness of the screen while on battery power.

9 Wireless. May require purchase of additional software, external hardware, or services. Transmission speeds may vary. Certain optional features within the wireless-n specifications (if available on your system) may not be supported.

10 USB 3.0. 5Gbps is the maximum theoretical interface transfer rate per the specifications of the Universal Serial Bus 3.0. Actual transfer rate will vary depending on your system configuration and other factors.
11 **USB Sleep & Charge.** The “USB Sleep & Charge function” may not work with certain external devices even if they are compliant with the USB specification. In those cases, turn off the power of the computer ON to charge the device.

12 **Weight.** Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

13 **Battery Life Rating.**

   Measured by MobileMark® 2007 for models preinstalled with Microsoft® Windows 7.

   Details of MobileMark® 2007 and MobileMark® 2012 testing protocols are available at www.bapco.com MobileMark is a trademark of the Business Applications Performance Corporation.

   Rating is for comparison purposes only, and does not indicate the battery life that will be obtained by any individual user. Actual battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. The battery life rating is only achieved on the select models and configurations tested by Toshiba under the specific test settings at the time of publication and is not an estimate of a system’s battery life under any conditions other than the specific test settings.

   After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries.

14 **EasyGuard.** Toshiba EasyGuard™ technology comprises a number of features some of which may or may not be available on a particular Toshiba notebook depending on the model selected. See www.easyguard.toshiba.com for detailed information.

15 **Software.** Also see 64-Bit Computing Legal Footnote, if applicable.

   Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

   Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

16 **Upconverter/UpconversionTechnology (Resolution+® Technology).** Viewing enhancements may vary depending upon content quality and display device capability/functionality/settings. Depending on the quality of the content, some video noise may be visible.

17 **Microsoft® Office trial.** Buy Microsoft® Office to use full-featured Office software on this PC.

   Microsoft® Software (if included in your PC; e.g., Microsoft Home and Student 2010, Microsoft Office Home and Business 2010, Microsoft Office Professional 2010)

   The version of Microsoft® Office included in this computer is only available in and can only be activated within the region in which you purchased it. Certain Microsoft® software products included with this computer may use technological measures for copy protection. In such case, you will not be able to use the Product if you do not activate it with Microsoft. Activation may be completed by Internet or telephone (toll charges may apply). Product Activation procedures and Microsoft’s privacy policy will be detailed during initial launch of the Product, or upon certain reinstallations of the software products or reconfiguration of the computer.

18 **Warranty:** The terms and conditions of Toshiba’s standard limited warranty are available at www.warranty.toshiba.com.

19 **RoHS.** This notebook is compatible with European Union Directive 2002/95/EC, Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Toshiba requires its notebook component suppliers to meet RoHS requirements and verifies its suppliers' commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.

20 **Temperature (Environmental) Conditions.** All temperature references are approximate and the performance of your computer may vary from specifications even when operating within the recommended temperature range.