

HP recommends Windows® 7.



**HP EliteBook 8460w Mobile Workstation**  
(Not available in all regions)



**HP EliteBook 8560w Mobile Workstation**



**HP EliteBook 8760w Mobile Workstation**

Overview	HP EliteBook 8460w Mobile Workstation	HP EliteBook 8560w Mobile Workstation	HP EliteBook 8760w Mobile Workstation
<b>Overview</b>	• Lightweight. Heavy Hitter.	• Portable Powerhouse.	• Power to Perform.
<b>Operating systems</b>	• Genuine Windows® 7 Professional* • Genuine Windows 7 Home Premium* • Genuine Windows Vista® Business** • FreeDOS	• Genuine Windows® 7 Professional* • Genuine Windows 7 Home Premium* • Genuine Windows Vista® Business** • FreeDOS	• Genuine Windows® 7 Professional* • Genuine Windows 7 Home Premium* • Genuine Windows Vista® Business** • Genuine Windows Vista® Home Basic** • FreeDOS
<b>Processor/chipset/system bus</b>	• Intel® Core™ i5 or i7 Mobile Processor Family with Intel® Turbo Boost Technology <sup>1,2,3,4,12</sup> • Mobile Intel QM67 Chipset • Intel vPro Technology (optional)	• Intel® Core™ i5 or i7 Mobile Processor Family with Intel® Turbo Boost Technology <sup>1,2,3,4,12</sup> • Mobile Intel QM67 Chipset • Intel vPro Technology (optional)	• Intel® Core™ i5 or i7 Mobile Processor Family with Intel® Turbo Boost Technology <sup>1,2,3,4,12</sup> • Mobile Intel QM67 Chipset • Intel vPro Technology (optional)
<b>Maximum memory/slots available<sup>13</sup></b>	• 16 GB, 1333 MHz DDR3 SDRAM (Four SODIMMS for a total of 32 GB of memory is available on quad-core systems only.)	• 32 GB, 1333 MHz DDR3 SDRAM (Four SODIMMS for a total of 32 GB of memory is available on quad-core systems only.)	• 32 GB, 1333 MHz DDR3 SDRAM (Four SODIMMS for a total of 32 GB of memory is available on quad-core systems only.)
<b>Expansion slots</b>	• 1 Express Card/54 • 1 Secure Digital/MMC Media Reader	• 1 Express Card/54 • 1 Secure Digital/MMC Media Reader	• 1 Express Card/54 • 1 Secure Digital/MMC Media Reader
<b>Graphics</b>	• AMD FirePro™ M3900 with 1 GB dedicated GDDR3 video with AMD Eyefinity Technology for advanced multi-monitor support (optional)	• AMD® FirePro™ M5950 with 1 GB dedicated GDDR5 video memory with AMD Eyefinity Technology for advanced multi-monitor support (optional) • NVIDIA Quadro 1000M with 2 GB dedicated GDDR3 video • NVIDIA Quadro 2000M with 2 GB dedicated GDDR3 video	• AMD FirePro M5950 with 1 GB dedicated GDDR5 video memory with AMD Eyefinity Technology for advanced multi-monitor support (optional) • NVIDIA Quadro 3000M with 2 GB dedicated GDDR5 video memory • NVIDIA Quadro 4000M with 2 GB dedicated GDDR5 video memory
<b>Displays</b>	• Choice of 14.0-in LED-backlit HD anti-glare (1366 x 768) or 14.0-in LED-backlit HD+ anti-glare (1600 x 900)	• Choice of 15.6-in LED-backlit WVA anti-glare HD+ (1600 x 900), 15.6-in LED-backlit WVA anti-glare FHD (1920 x 1080) or 15.6-in LED-backlit UWVA anti-glare FHD DreamColor (1920 x 1080)	• Choice of 17.3-inch diagonal LED-backlit WVA anti-glare, HD+ (1600 x 900), or 17.3-inch diagonal LED-backlit WVA anti-glare, HD+ FHD option (1920 x 1080), 17.3-in LED-backlit UWVA anti-glare FHD DreamColor (1920 x 1080)
<b>Controllers and HDs<sup>6</sup></b>	• 250/320/500/720 GB 7200 rpm SMART SATA II HDD, 320 GB 7200 rpm SED with HP 3D DriveGuard (Microsoft Windows® required) • 128/160 GB Solid State Drive	• 320/500/750 GB 7200 rpm SMART SATA II HDD, 320 GB 7200 rpm SED with HP 3D DriveGuard (Microsoft Windows® required) • 128/256 GB Solid State Drive	• 320/500/750 GB 7200 rpm SMART SATA II HDD, 320 GB 7200 rpm SED with HP 3D DriveGuard (Microsoft Windows® required) • 128/256 GB Solid State Drive • Secondary storage also available on HP 8760w
<b>Optical drives<sup>7,8,9,10</sup></b>	• 12.7 mm SATA optical drive or secondary hard drive: Blu-ray R/RE DVD+/-RW SuperMulti DL Drive, DVD+/-RW SuperMulti DL Drive, 500 GB 7200 rpm HDD	• 12.7 mm SATA optical drive or secondary hard drive: Blu-ray R/RE DVD+/-RW SuperMulti DL Drive, DVD+/-RW SuperMulti DL Drive, 500 GB 7200 rpm HDD	• 12.7 mm SATA optical drive or secondary hard drive: Blu-ray R/RE DVD+/-RW SuperMulti DL Drive, DVD+/-RW SuperMulti DL Drive, 500 GB 7200 rpm HDD
<b>Communications<sup>11</sup></b>	• Integrated Intel 82579LM Gigabit Network Connection (vPro) and 56K v.92 modem • Optional HP hs2340 HSPA+ Mobile Broadband Module • Optional HP un2420 EV-DO/HSPA Mobile Broadband Module • Intel® Centrino® 802.11a/b/g/n • Bluetooth® 2.1+ EDR Wireless Technology • HP Connection Manager 4.0	• Integrated Intel 82579LM Gigabit Network Connection (vPro) and 56K v.92 modem • Optional HP hs2340 HSPA+ Mobile Broadband Module • Optional HP un2420 EV-DO/HSPA Mobile Broadband Module • Intel® Centrino® 802.11a/b/g/n • Bluetooth® 2.1+ EDR Wireless Technology • HP Connection Manager 4.0	• Integrated Intel 82579LM Gigabit Network Connection (vPro) and 56K v.92 modem • Optional HP hs2340 HSPA+ Mobile Broadband Module • Optional HP un2420 EV-DO/HSPA Mobile Broadband Module • Intel® Centrino® 802.11a/b/g/n • Bluetooth® 2.1+ EDR Wireless Technology • HP Connection Manager 4.0

<sup>1</sup> Dual-, Quad-, and Six-Core technologies are designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefits. Not all customers or software applications will necessarily benefit from use of these technologies.

<sup>2</sup> Intel's numbering is not a measurement of higher performance.

<sup>3</sup> 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See [www.intel.com/info/em64t](http://www.intel.com/info/em64t) for more information.

<sup>4</sup> This workstation does not support the Intel Core 2 Extreme processor over-clocking feature.

<sup>5</sup> SATA hardware RAID is not supported on Linux systems. The Linux kernel, with built-in software RAID, provides excellent functionality and performance. It is a good alternative to hardware-based RAID. Please visit <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00060684/c00060684.pdf> for RAID capabilities with Linux. HP Z200 does not support RAID 10 because of drive bay limitation.

<sup>6</sup> For hard drives, 1 GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 8 GB of hard drive (or system disk) is reserved for the system recovery software for Windows XP and XP Pro, up to 12 GB for Windows Vista, and up to 20 GB for Windows 7.

<sup>7</sup> Actual speeds may vary. Does not permit copying of commercially available DVD movies or other copyright protected materials. Intended for creation and storage of your original material and other lawful uses.

<sup>8</sup> Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

<sup>9</sup> LightScribe creates a monochrome image. LightScribe media required and sold separately.

<sup>10</sup> As Blu-Ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this workstation.

<sup>11</sup> The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

<sup>12</sup> Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software, and overall system configuration. See [www.intel.com/technology/turboboost](http://www.intel.com/technology/turboboost) for more information.

<sup>13</sup> Each processor supports up to 2 channels (HP Z210 CMT/HP Z210 SFF) or 3 channels (HP Z400/HP Z600/HP Z800) of DDR3 memory. To realize full performance at least 1 DIMM must be inserted into each channel. To get full 6 channel support, 2 processors MUST be installed.

<sup>14</sup> NVIDIA Tesla C2050/C2075 on the HP Z400 requires the 600W power supply and on the HP Z800 requires the 1110W power supply.

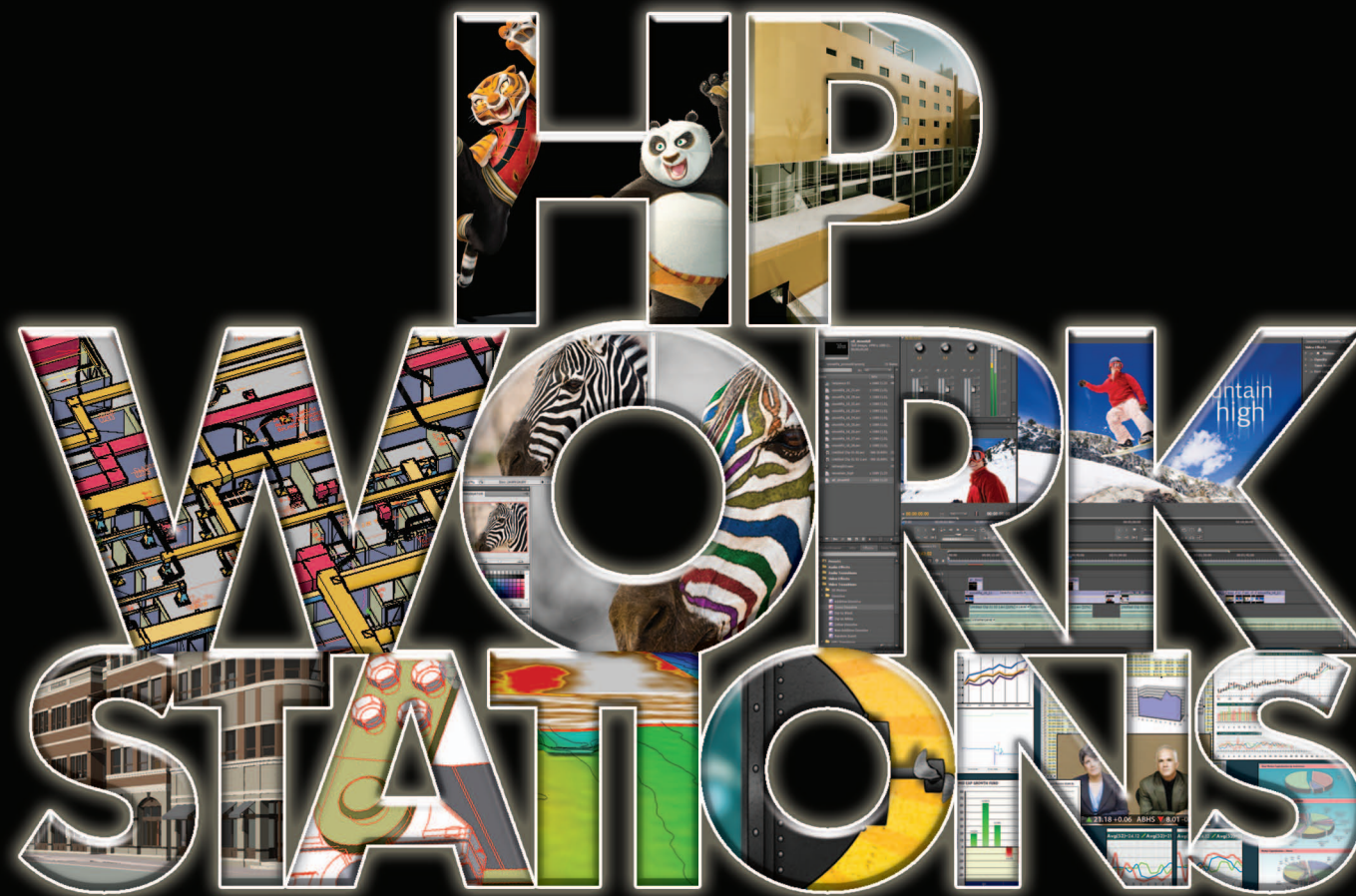
© 2010–2011 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Celeron, Centrino, Core, Pentium, vPro, and Xeon are trademarks of Intel Corporation in the U.S. and other countries. Microsoft, Windows, and Vista are U.S. registered trademarks of Microsoft Corporation. ATI is a trademark of Advanced Micro Devices, Inc. Bluetooth is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. ENERGY STAR is a US registered mark of the United States Environmental Protection Agency.

4AA2-5139ENW, October 2011

HP recommends Windows® 7.

# HP WORKSTATIONS QUICK REFERENCE GUIDE



INNOVATION • PERFORMANCE • RELIABILITY



# MEET OUR HP WORKSTATION FAMILY – COMPARE FEATURES

HP recommends Windows® 7.



HP Z210 SFF



HP Z210 CMT



HP Z400



HP Z600



HP Z800

Overview	<ul style="list-style-type: none"> <li>Small size, great value, and rock-solid application performance.</li> </ul>	<ul style="list-style-type: none"> <li>Low-cost, high-performance mainstream entry workstation.</li> </ul>	<ul style="list-style-type: none"> <li>Raising the bar for entry workstations.</li> </ul>	<ul style="list-style-type: none"> <li>Maximum computing power in minimal space.</li> </ul>	<ul style="list-style-type: none"> <li>The ultimate in power and expandability.</li> </ul>
<b>Operating systems</b>	<ul style="list-style-type: none"> <li>Genuine Windows® 7 Ultimate or other editions available*</li> <li>HP Installer Kit for Linux (includes drivers for both 32-bit and 64-bit OS versions of Red Hat Enterprise Linux and Novell SLED 11)</li> <li>Novell Suse SLED 11</li> <li>Red Hat Enterprise Linux Desktop (paper license as drop-in-the-box only)</li> </ul>	<ul style="list-style-type: none"> <li>Genuine Windows® 7 Ultimate or other editions available*</li> <li>HP Installer Kit for Linux (includes drivers for both 32-bit and 64-bit OS versions of Red Hat Enterprise Linux and Novell SLED 11)</li> <li>Novell Suse SLED 11</li> <li>Red Hat Enterprise Linux Desktop (paper license as drop-in-the-box only)</li> </ul>	<ul style="list-style-type: none"> <li>Genuine Windows® 7 Professional*</li> <li>Genuine Windows® 7 Ultimate 64-bit*</li> <li>HP Installer Kit for Linux (includes drivers for both 32-bit and 64-bit OS versions of Red Hat Enterprise Linux and Novell SLED 11)</li> <li>SUSE Linux Enterprise Desktop 11</li> <li>Red Hat Enterprise Linux Desktop (paper license as drop-in-the-box only)</li> </ul>	<ul style="list-style-type: none"> <li>Genuine Windows® 7 Professional*</li> <li>Genuine Windows® 7 Ultimate 64-bit*</li> <li>HP Installer Kit for Linux (includes drivers for both 32-bit and 64-bit OS versions of Red Hat Enterprise Linux and Novell SLED 11)</li> <li>Novell Suse SLED 11</li> <li>Red Hat Enterprise Linux Desktop (paper license as drop-in-the-box only)</li> </ul>	<ul style="list-style-type: none"> <li>Genuine Windows® 7 Professional*</li> <li>Genuine Windows® 7 Ultimate 64-bit*</li> <li>HP Installer Kit for Linux (includes drivers for both 32-bit and 64-bit OS versions of Red Hat Enterprise Linux and Novell SLED 11)</li> <li>Novell Suse SLED 11</li> <li>Red Hat Enterprise Linux Desktop (paper license as drop-in-the-box only)</li> </ul>
<b>Processor/chipset/system bus</b>	<ul style="list-style-type: none"> <li>2<sup>nd</sup> Generation Intel® Core™ i3, i5, and i7 Processors and Intel® Xeon® Processor E3 Series</li> <li>Intel® C206 Chipset</li> </ul>	<ul style="list-style-type: none"> <li>2<sup>nd</sup> Generation Intel® Core™ i3, i5, and i7 Processors and Intel® Xeon® Processor E3 Series</li> <li>Intel® C206 Chipset</li> </ul>	<ul style="list-style-type: none"> <li>Dual-, quad-, and six-core Intel® Xeon® processor 3500 and 3600 series<sup>1,2,3</sup></li> <li>Intel® QuickPath Technology</li> <li>Intel® X58 Express chipset</li> <li>HP Liquid Cooling Solution (optional)</li> </ul>	<ul style="list-style-type: none"> <li>Quad- and six-core Intel® Xeon® processor 5600 series<sup>1,2,3</sup></li> <li>Intel® QuickPath Technology</li> <li>Intel® 5520 chipset</li> </ul>	<ul style="list-style-type: none"> <li>Quad- and six-core Intel® Xeon® processor 5600 series<sup>1,2,3</sup></li> <li>Intel® QuickPath Technology</li> <li>Intel® 5520 chipset (dual)</li> <li>HP Liquid Cooling Solution (optional)</li> </ul>
<b>Maximum memory/slots available<sup>13</sup></b>	<ul style="list-style-type: none"> <li>4 DIMM slots, up to 16 GB, DDR3 1333 MHz</li> </ul>	<ul style="list-style-type: none"> <li>4 DIMM slots, up to 32 GB (estimated availability Q4 2011), DDR3 1333 MHz</li> </ul>	<ul style="list-style-type: none"> <li>6 DIMM slots, up to 24 GB, DDR3 1333 MHz</li> </ul>	<ul style="list-style-type: none"> <li>6 DIMM slots, up to 48 GB, 6 channel DDR3 1333 MHz</li> </ul>	<ul style="list-style-type: none"> <li>12 DIMM slots, up to 192 GB, 6 channel DDR3 1333 MHz</li> </ul>
<b>Expansion slots</b>	<ul style="list-style-type: none"> <li>1 PCI Express Gen2 x16 mechanical/x16 electrical</li> <li>1 PCI Express Gen2 x16 mechanical/x4 electrical</li> <li>1 PCI Express Gen2 x1 mechanical/x1 electrical</li> <li>1 PCI</li> <li>All slots are low profile</li> </ul>	<ul style="list-style-type: none"> <li>2 PCI Express Gen2 slots x1 mechanical/x1 electrical</li> <li>1 PCI Express Gen2 slot x16 mechanical/x16 electrical</li> <li>1 PCI Express Gen2 slot x16 mechanical/x4 electrical</li> <li>1 PCI Express Gen2 slot x8 mechanical/x4 electrical</li> <li>2 PCI slots (full-height, full-length)</li> </ul>	<ul style="list-style-type: none"> <li>2 PCI Express Gen2 x16</li> <li>1 PCI Express Gen2 x8 mechanical/x4 electrical</li> <li>1 PCI Express Gen1 x8 mechanical/x4 electrical</li> <li>2 PCI</li> </ul>	<ul style="list-style-type: none"> <li>2 PCI Express Gen2 x16</li> <li>1 PCI Express Gen2 x8 mechanical/x4 electrical</li> <li>1 PCI Express Gen1 x8 mechanical/x4 electrical</li> <li>2 PCI</li> </ul>	<ul style="list-style-type: none"> <li>2 PCI Express Gen2 x16</li> <li>1 PCI Express Gen2 x8 mechanical/x8 electrical</li> <li>1 PCI Express Gen2 x8 mechanical/x4 electrical</li> <li>1 PCI Express Gen1 x8 mechanical/x4 electrical</li> <li>1 PCI</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>Intel® HD Graphics 2000 (Intel® Core™ processors)</li> <li>Intel® HD Graphics P3000 (Intel® Xeon® E3-1xx5 processors)</li> <li>AMD FirePro 2270</li> <li>NVIDIA Quadro NVS 295</li> <li>NVIDIA NVS 300</li> <li>ATI FirePro V3800</li> <li>NVIDIA Quadro 400</li> <li>NVIDIA Quadro 600</li> </ul>	<ul style="list-style-type: none"> <li>Intel® HD Graphics 2000 (Intel® Core™ processors)</li> <li>Intel® HD Graphics P3000 (Intel® Xeon® E3-1xx5 processors)</li> <li>AMD FirePro 2270</li> <li>NVIDIA Quadro NVS 295</li> <li>NVIDIA NVS 300</li> <li>NVIDIA Quadro 400</li> <li>NVIDIA Quadro 600</li> <li>ATI FirePro V3800</li> <li>ATI FirePro V4800</li> <li>NVIDIA Quadro 2000</li> <li>ATI FirePro V5800</li> <li>AMD FirePro V5900</li> <li>NVIDIA Quadro 4000 (AMO only)</li> </ul>	<ul style="list-style-type: none"> <li>NVIDIA Quadro NVS 295</li> <li>NVIDIA NVS 300</li> <li>AMD FirePro 2270</li> <li>NVIDIA Quadro NVS 450</li> <li>NVIDIA Quadro FX 380</li> <li>NVIDIA Quadro 400</li> <li>NVIDIA Quadro 600</li> <li>ATI FirePro V3800</li> <li>ATI FirePro V4800</li> <li>NVIDIA Quadro 2000</li> <li>ATI FirePro V5800</li> <li>AMD FirePro V5900</li> <li>NVIDIA Quadro 4000</li> <li>AMD FirePro V7900</li> <li>NVIDIA Quadro 5000</li> <li>NVIDIA Tesla C2050<sup>4</sup></li> <li>NVIDIA Tesla C2075<sup>4</sup></li> </ul>	<ul style="list-style-type: none"> <li>NVIDIA Quadro NVS 295</li> <li>NVIDIA NVS 300</li> <li>AMD FirePro 2270</li> <li>NVIDIA Quadro NVS 450</li> <li>NVIDIA Quadro FX 380</li> <li>NVIDIA Quadro 400</li> <li>NVIDIA Quadro 600</li> <li>ATI FirePro V3800</li> <li>ATI FirePro V4800</li> <li>NVIDIA Quadro 2000</li> <li>ATI FirePro V5800</li> <li>AMD FirePro V5900</li> <li>NVIDIA Quadro 4000</li> <li>AMD FirePro V7900</li> <li>NVIDIA Quadro 5000</li> </ul>	<ul style="list-style-type: none"> <li>NVIDIA Quadro NVS 295</li> <li>NVIDIA NVS 300</li> <li>AMD FirePro 2270</li> <li>NVIDIA Quadro FX 380</li> <li>NVIDIA Quadro 400</li> <li>NVIDIA Quadro 600</li> <li>ATI FirePro V3800</li> <li>ATI FirePro V4800</li> <li>NVIDIA Quadro 2000</li> <li>ATI FirePro V5800</li> <li>AMD FirePro V5900</li> <li>AMD FirePro V7900</li> <li>NVIDIA Quadro 4000</li> <li>NVIDIA Quadro 6000</li> <li>NVIDIA Tesla C2050<sup>4</sup></li> <li>NVIDIA Tesla C2075<sup>4</sup></li> </ul>
<b>Maximum supported displays</b>	4 displays	4 displays	8 displays	8 displays	8 displays
<b>Controllers and HDs<sup>5,6</sup></b>	<ul style="list-style-type: none"> <li>Integrated SATA 3 GB/s or 6 GB/s controller, RAID 0, 1, capable</li> <li>Up to (3) 3.5-inch 7200 rpm SATA drives: 250, 500 GB; 1, 2.0 TB max</li> <li>Up to (2) 2.5-inch 10K rpm SATA drives: 160, 300 GB, 600 GB max</li> <li>Up to (2) 160 GB SATA X25-M SSD drives, 320 GB max</li> </ul>	<ul style="list-style-type: none"> <li>Integrated SATA 3 GB/s or 6 GB/s controller, RAID 0, 1, 5, capable</li> <li>Up to (3) 3.5-inch 7200-rpm SATA drives: 250, 500 GB; 1, 1.5, 4.5 TB max</li> <li>Up to (3) 2.5-inch 10K rpm SATA drives: 160, 300, 600 GB; 1.8 TB max</li> <li>Up to (3) 160 GB SATA X25-M SSD drives, 480 GB max</li> </ul>	<ul style="list-style-type: none"> <li>Integrated SATA 3 GB/s controller, RAID 0, 1, 5, 10 capable</li> <li>Optional SAS controller, LSI 9212-4i 4-port SAS/SATA 6 Gb/s, RAID 0, 1, 10 capable</li> <li>Up to (4) 3.5-inch 7200 rpm SATA drives: 160, 250, 320, 500 GB; 1, 1.5, 2 TB; 8 TB max</li> <li>Up to (4) 2.5-inch 10K rpm SATA drives: 160, 300, 600 GB; 2.4 TB max</li> <li>Up to (4) 3.5-inch 15K rpm SAS drives: 300, 450, 600 GB; 2.4 TB max</li> <li>Up to (4) 2.5-inch SATA SSD drives: 160, 300 GB; 780 GB max</li> </ul>	<ul style="list-style-type: none"> <li>Integrated SATA 3 GB/s controller, RAID 0, 1, 5, 10 capable</li> <li>Optional SAS controller, LSI 9212-4i 4-port SAS/SATA 6 Gb/s, RAID 0, 1, 10 capable</li> <li>Up to (3) 3.5-inch 7200 rpm SATA drives: 160, 250, 320, 500 GB; 1, 1.5, 2 TB, 6 TB max</li> <li>Up to (4) 2.5-inch 10K rpm SATA drives: 160, 300 GB SFF; 1.2 TB max</li> <li>Up to (3) 3.5-inch 15K rpm SAS drives: 146, 300, 450, 600 GB; 1.8 TB max</li> <li>Up to (4) 160 GB SATA X25-M SSD drives, 640 GB max</li> <li>Note: Third and fourth drives occupy one external optical bay.</li> </ul>	<ul style="list-style-type: none"> <li>Integrated 6-channel 3 Gb/s controller, RAID 0, 1, 5, 10 capable</li> <li>Integrated 8-channel SAS controller, RAID 0, 1, 10 capable</li> <li>Optional LSI 9260-8i 8-port SAS HW RAID 0, 1, 5, 10 capable</li> <li>Up to (5) 3.5-inch 7200 rpm SATA drives: 160, 250, 320, 500 GB; 1, 1.5, 2 TB, 10 TB max</li> <li>Up to (6) 2.5-inch 10K rpm SATA drives: 160, 300 GB SFF; 1.8 TB max</li> <li>Up to (5) 3.5-inch 15K rpm SAS drives: 146, 300, 450, 600 GB; 3 TB max</li> <li>Up to (5) 160 GB SATA X25-M SSD drives, 800 GB max</li> </ul>
<b>Optical drives<sup>7,8,9,10</sup></b>	<ul style="list-style-type: none"> <li>DVD-ROM</li> <li>DVD+/- RW DL Super Multi</li> <li>Blu-Ray writer</li> <li>22-in-1 Media Card Reader</li> </ul>	<ul style="list-style-type: none"> <li>DVD-ROM</li> <li>DVD+/- RW DL Super Multi</li> <li>Blu-Ray Writer</li> <li>22-in-1 Media Card Reader</li> </ul>	<ul style="list-style-type: none"> <li>DVD-ROM</li> <li>DVD+/-RW</li> <li>Blu-Ray Writer</li> <li>Optional HP 22-in-1 Media Card Reader</li> </ul>	<ul style="list-style-type: none"> <li>DVD-ROM</li> <li>DVD+/-RW</li> <li>Slot-load DVD+/-RW</li> <li>Blu-Ray Writer</li> <li>Optional HP 22-in-1 Media Card Reader</li> </ul>	<ul style="list-style-type: none"> <li>DVD-ROM</li> <li>DVD+/-RW</li> <li>Slot-load DVD+/-RW</li> <li>Blu-Ray Writer</li> <li>Optional HP 22-in-1 Media Card Reader</li> </ul>
<b>Communications<sup>11</sup></b>	<ul style="list-style-type: none"> <li>Intel 82579 GbE (Intel® vPro™ with AMT 7.0)</li> </ul>	<ul style="list-style-type: none"> <li>Intel 82579 GbE (Intel® vPro™ with AMT 7.0)</li> </ul>	<ul style="list-style-type: none"> <li>Integrated Broadcom 5764 LAN</li> <li>Infineon TPM 1.2</li> <li>Optional Broadcom NIC</li> <li>Optional Intel NIC</li> </ul>	<ul style="list-style-type: none"> <li>Integrated Broadcom 5764 LAN</li> <li>Infineon TPM 1.2</li> <li>Optional Broadcom NIC</li> <li>Optional Intel NIC</li> </ul>	<ul style="list-style-type: none"> <li>Dual Integrated Broadcom 5764 LAN</li> <li>Infineon TPM 1.2</li> <li>Optional Broadcom NIC</li> <li>Optional Intel NIC</li> </ul>

\*Windows 7 systems may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See [www.microsoft.com/windows/windows7](http://www.microsoft.com/windows/windows7) for details.  
 \*\*Certain Windows Vista product features require advanced or additional hardware. See [www.microsoft.com/windowsvista/getready/hardwarereqs.aspx](http://www.microsoft.com/windowsvista/getready/hardwarereqs.aspx) and [www.microsoft.com/windowsvista/getready/capable.aspx](http://www.microsoft.com/windowsvista/getready/capable.aspx) for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit [www.windowsvista.com/upgradeadvisor](http://www.windowsvista.com/upgradeadvisor).