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HP ZBook 17 G3 Mobile Workstation

Processor

Specifications	Description
Processor	<p>Intel Xeon E3-1575M v5 with Intel Iris Pro Graphics P580</p> <p>6th Generation Intel Xeon E3-1535M v5 (2.90 GHz, 2133 MHz, 8 MB L3 Cache, 4 cores, 45W), up to 3.80 GHz with Intel Turbo Boost Technology</p> <p>6th Generation Intel Core i7-6820HQ (2.70 GHz, 2133 MHz, 8 MB L3 Cache, 4 cores, 45W), up to 3.60 GHz with Intel Turbo Boost Technology</p> <p>6th Generation Intel Core i7-6700HQ (2.60 GHz, 2133 MHz, 6 MB L3 Cache, 4 cores, 45W), up to 3.50 GHz with Intel Turbo Boost Technology</p> <p>6th Generation Intel Core i5-6440HQ (2.60 GHz, 2133 MHz, 6 MB L3 Cache, 4 cores, 45W), up to 3.50 GHz with Intel Turbo Boost Technology</p>
Chipset	Mobile Intel CM236

Graphics

Feature	Description
Integrated	<p>Intel HD graphics 530</p> <p>Intel HD graphics P530</p> <p>Intel Iris Pro Graphics P580</p>



Feature	Description
Discrete	<p>AMD FirePro W6150M with 4 GB dedicated GDDR5 video memory Microsoft DirectX 12 (Shader Model 5.0) and OpenGL 4.4 capable</p> <p>NVIDIA Quadro M1000M with 2 GB dedicated GDDR5 video memory Microsoft DirectX 12 (Shader Model 5.0) and OpenGL 4.4 capable</p> <p>NVIDIA Quadro M2000M with 4 GB dedicated GDDR5 video memory Microsoft DirectX 12 (Shader Model 5.0) and OpenGL 4.4 capable</p> <p>NVIDIA Quadro M3000M with 4 GB dedicated GDDR5 video memory Microsoft DirectX 12 (Shader Model 5.0) and OpenGL 4.4 capable</p> <p>NVIDIA Quadro M4000M with 4 GB dedicated GDDR5 video memory Microsoft DirectX 12 (Shader Model 5.0) and OpenGL 4.4 capable</p> <p>NVIDIA Quadro M5000M with 8 GB dedicated GDDR5 video memory Microsoft DirectX 12 (Shader Model 5.0) and OpenGL 4.4 capable</p>

Display

Feature	Description
Internal	<p>17.3 in diagonal FHD UWVA IPS anti-glare LED backlit (1920 x 1080)</p> <p>17.3 in diagonal LED backlit HD+ SVA anti-glare (1600 x 900)</p> <p>17.3 in diagonal UHD DreamColor UWVA IPS anti-glare backlit (3840 x 2160)</p> <p>17.3 in diagonal Touch LED-backlit FHD UWVA IPS (1920 x 1080)</p>
External	<p>Up to 30-bit (2³⁰) per pixel "Deep Color"</p> <p>1,073,741,824 color variations</p>

Storage and drives

Feature	Description
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Feature	Description
(2) 2.5 in storage bays hard drives	<p>1 TB 7200 rpm SATA</p> <p>500 GB 7200 rpm SATA</p> <p>500 GB SATA SSHD (Hybrid Drive) (8 GB cache)</p> <p>500 GB 7200 rpm SATA SED (Self Encrypting Drive)</p> <p>500 GB 7200 rpm SATA SED (Self Encrypting Drive) FIPS 140-2 compliant</p>
(2) M.2 SATA solid state drives	<p>256 GB SATA Self Encrypting Drive(SED)</p> <p>512 GB SATA Self Encrypting Drive(SED)</p>
HP Z Turbo Drive G2 (NVMe PCIe SSD)	<p>256 GB NVMe PCIe SSD</p> <p>512 GB NVMe</p> <p>1 TB NVMe PCIe SSD</p>
HP 3D DriveGuard (Windows only)	<p>The hard drive is mounted directly to the notebook frame, reducing the transmission of shock to the hard drive. Uses three-axis digital motion detection with intelligent sensitivity to help protect the hard drive during normal use from shock and vibration. The digital accelerometer temporarily halts all data transfer and parks the hard drive when abrupt motion is detected.</p>
Drive controllers	<p>2.5 in storage bays and M.2 storage bay (SATA): SATA-3 or SATA-2 for HDD and SATA-3 for SSD</p> <p>HP Z Turbo Drive: PCIe NVMe SSD</p> <p>RAID: 0, 1 supported</p>

Memory



Feature	Description
Standard	<p>64 GB DDR4 1.35V ECC or Non-ECC SDRAM (Transfer rates up to 2133MT/s)</p> <p>Four SODIMM slots supporting dual-channel memory</p> <p>4 GB, 8 GB and 16 GB SODIMMs (for Intel Core Processors)</p> <p>8 GB and 16 GB ECC SODIMMs (for Intel XEON Processors)</p>
Maximum	Upgradeable to 65536 MB with optional 16384 MB SODIMMs in all 4 slots
Dual-channel	<p>Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory channels.</p> <p>NOTE: Due to the non-industry standard nature of some third-party memory modules, HP recommends HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.</p>

Networking/communication

Feature	Description
Communications	<p>Integrated Intel I219-LM Gigabit Network Connection (vPro configurations)</p> <p>Intel WGI219V 10/100/1000 Ethernet (non-vPro configurations)</p>
802.11 Wireless LAN	<p>Intel Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2 x 2) Wi-Fi and Bluetooth 4.2 Combo (vPro)</p> <p>Intel Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2 x 2) Wi-Fi and Bluetooth 4.2 Combo (non-vPro)</p>



Feature	Description
Wireless WAN - Mobile Broadband	<p>HP lt4120 Qualcomm Snapdragon X5 LTE Mobile Broadband Module (optional)</p> <p>HP hs3110 HSPA+ Intel Mobile Broadband Module (optional)</p>

Audio/multimedia

Feature	Description
Audio	<p>Bang & Olufsen HD audio</p> <p>Integrated stereo speakers</p> <p>Integrated microphone (dual-microphone array when equipped with optional webcam)</p> <p>Button for volume mute; function keys for volume up and down</p> <p>Combo mic-in / stereo headphone-out jack</p>
Optional 720p HD webcam	<p>HD format (widescreen)</p> <p>Supports videoconferencing and still image capture</p> <p>High quality fixed focus lens</p> <p>Video capture at various resolutions up to 1280 x 720 resolution (720p) and up to 30 fps</p> <p>M-JPEG compression supports higher frame rates for video capture and video conferencing</p> <p>Improved low light sensitivity</p> <p>Improved dynamic range</p>

Power

Specification	Description



Specification	Description
Power supply	HP 200W Slim Smart AC adapter 172 x 96 x 25.4 mm (6.77 x 3.77 x 1 in)
Primary battery	HP Long Life 9-cell Prismatic Battery (96 WHr)
Power conservation	NVIDIA Optimus or AMD Enduro technology Hibernation Standby ACPI compliance

Ports / slots

Specification	Description
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Specification	Description
Ports	<p>Left side:</p> <ul style="list-style-type: none"> (1) RJ-45 (Ethernet) (2) USB 3.0 (1) USB 3.0 charging port (1) Security lock slot <p>Right side:</p> <ul style="list-style-type: none"> (1) VGA (1) HDMI (1) USB 3.0 (2) Thunderbolt 3 (Supporting DisplayPort 1.2, USB 3.1 Gen2, PCIe Gen 3 devices) (1) Stereo microphone in / headphone-out combo jack <p>Power connector</p>
Slots	<ul style="list-style-type: none"> (1) SD UHS-II Flash Media slot (Supports next generation SD (Secure Digital), backward compatible to SDHC, SDXC) (1) Integrated Smart Card Reader (Compatible with ISO 7816 compliant Smart Cards PC/SC interface support)

Physical specifications

Specification	Description
Weight	Starting at 3 kg (6.62 lb)
Dimensions (W x D x H)	420 x 280 x 30 mm (16.5 x 11 x 1.2 in)



Software/OS

Specifications	Description
Preinstalled	Windows 10 Pro 64 Windows 10 Home 64 Windows 7 Professional 64 Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro) FreeDOS 2.0
Supported OS	Windows 7 Enterprise 64 Windows 8.1 Professional 64 Windows 8.1 Enterprise 64 Windows 10 Enterprise 64



Specifications	Description
BIOS	<p>HP BIOSphere</p> <p>HP SureStart with Dynamic Protection</p> <p>HP DriveLock, HP Automatic DriveLock</p> <p>HP BIOS Protection</p> <p>BIOS Update via Network</p> <p>Master Boot Record Security</p> <p>Power On Authentication</p> <p>Pre-boot Security</p> <p>HP SpareKey</p> <p>Secure Erase</p> <p>Hybrid Boot</p> <p>Measure Boot</p> <p>Secure Boot</p> <p>Absolute Persistence Module</p> <p>Pre-boot Authentication</p>
Multimedia	<p>Cyberlink Power DVD, BD (supports file playback)</p> <p>Cyberlink YouCam BE (Windows 7 only)</p>

Need
help?

Specifications	Description
Communication	<p>HP GPS and Location (Windows 7 only)</p> <p>HP Connection Manager with support for HP Mobile Connect Pro (Windows 7 only)</p> <p>HP Mobile Connect Pro (Windows 8.1 and Windows 10 only)</p> <p>Intel Wireless Display (WiDi) Software for Windows</p> <p>Native Miracast support</p>
HP value add software	<p>HP 3D DriveGuard</p> <p>HP ePrint Driver</p> <p>HP Hotkey</p> <p>HP Recovery Manager</p> <p>HP Recovery Disc Creator</p> <p>HP Registration App (Windows 8.1 only)</p> <p>HP Support Assistant</p> <p>HP Noise Reduction Software</p> <p>HP Performance Advisor</p> <p>HP Remote Graphics Software</p> <p>HP Velocity</p>
3rd Party	Foxit PhantomPDF Express for HP
Microsoft products	<p>Buy Office</p> <p>Bing Search</p> <p>Skype</p>



Specifications	Description
Manageability	<p>HP Driver Packs</p> <p>HP SoftPaq Download Manager (SDM)</p> <p>HP System Software Manager (SSM)</p> <p>HP BIOS Config Utility (BCU)</p> <p>HP Client Catalog</p> <p>HP CIK for Microsoft SCCM</p> <p>LANDESK Management</p>

NOTE: HP Cloud Recovery download tool (Cloud Recovery Client) is available under Software and Drivers section on the support page.

Security

Feature	Description
HP Client Security	<p>HP Security Manager (including Credential Manager and Password Manager)</p> <p>HP Drive Lock</p> <p>HP Fingerprint Sensor</p> <p>Absolute Persistence Module</p> <p>Power On Authentication</p>
Security software	<p>HP Client Security</p> <p>Microsoft Security Essentials</p> <p>Microsoft Defender</p>



Feature	Description
Standard	<p>Trusted Platform Module (TPM) 1.2</p> <p>Embedded Security Chip (Common Criteria EAL4+ Certified). Field upgradeable to TPM 2.015</p> <p>HP Fingerprint Reader</p>

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