





<div>ROG Zephyrus Duo 16 (2023) GX650</div>		<div>PRODUCTS   INNOVATION   DOWNLOADS   COMMUNITY   WHAT'S HOT   SUPPORT</div>		<div>ASUS  </div>	
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<div>ROG Zephyrus Duo 16 (2023) GX650PY</div>		<div>ROG Zephyrus Duo 16 (2023) GX650PZ</div>		<div>ROG Zephyrus Duo 16 (2023) GX650PI</div>	
<div>Operating System</div> <div>Windows 11 Pro</div>		<div>Operating System</div> <div>Windows 11 Pro</div>		<div>Operating System</div> <div>Windows 11 Pro</div>	
<div>Processor</div> <div>AMD Ryzen™ 9 7945HX Mobile Processor (16-core/32-thread, 64MB L3 cache, up to 5.4 GHz max boost)</div>		<div>Processor</div> <div>AMD Ryzen™ 9 7945HX Mobile Processor (16-core/32-thread, 64MB L3 cache, up to 5.4 GHz max boost)</div>		<div>Processor</div> <div>AMD Ryzen™ 9 7945HX Mobile Processor (16-core/32-thread, 64MB L3 cache, up to 5.4 GHz max boost)</div>	
<div>Graphics</div> <div>NVIDIA®GeForce RTX™ 4090 Laptop GPU ROG Boost: 2090 MHz* at 165W (2040MHz Boost Clock+50MHz OC, 140W+10W Dynamic Boost in Turbo Mode, 140W+25W in Manual Mode) 16GB GDDR6 AMD Radeon™ Navi2 Graphics</div>		<div>Graphics</div> <div>NVIDIA®GeForce RTX™ 4080 Laptop GPU ROG Boost: 2330 MHz* at 165W (2280MHz Boost Clock+50MHz OC, 140W+10W Dynamic Boost in Turbo Mode, 140W+25W in Manual Mode) 12GB GDDR6 AMD Radeon™ Navi2 Graphics</div>		<div>Graphics</div> <div>NVIDIA®GeForce RTX™ 4070 Laptop GPU ROG Boost: 2225 MHz* at 140W (2175MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost) 8GB GDDR5 AMD Radeon™ Navi2 Graphics</div>	
<div>Display</div> <div>16-inch QHD+ 16:10 (2560 x 1600, WQXGA) Anti-glare display Mini LED DCI-P3:100 Refresh Rate:240Hz Response Time:3ms Brightness: 1100 nits FreeSync Premium Pro Pantone Validated Optimus Support Dolby Vision HDR :Yes</div>		<div>Display</div> <div>16-inch QHD+ 16:10 (2560 x 1600, WQXGA) Anti-glare display Mini LED DCI-P3:100 Refresh Rate:240Hz Response Time:3ms Brightness: 1100 nits FreeSync Premium Pro Pantone Validated Optimus Support Dolby Vision HDR :Yes</div>		<div>Display</div> <div>16-inch QHD+ 16:10 (2560 x 1600, WQXGA) Anti-glare display Mini LED DCI-P3:100 Refresh Rate:240Hz Response Time:3ms Brightness: 1100 nits FreeSync Premium Pro Pantone Validated Optimus Support Dolby Vision HDR :Yes</div>	
<div>Memory</div> <div>32GB DDR5-4800 SO-DIMM x 2 Max Capacity:64GB Support dual channel memory</div>		<div>Memory</div> <div>32GB DDR5-4800 SO-DIMM x 2 Max Capacity:64GB Support dual channel memory</div>		<div>Memory</div> <div>32GB DDR5-4800 SO-DIMM x 2 Max Capacity:64GB Support dual channel memory</div>	
<div>Storage</div> <div>2TB + 2TB PCIe®4.0 NVMe™ M.2 Performance SSD (RAID 0)</div>		<div>Storage</div> <div>2TB + 2TB PCIe®4.0 NVMe™ M.2 Performance SSD (RAID 0)</div>		<div>Storage</div> <div>2TB + 2TB PCIe®4.0 NVMe™ M.2 Performance SSD (RAID 0)</div>	
<div>I/O Ports</div> <div>1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 1x 2.5G LAN port 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1 x Type-C support USB3.2 Gen2 ( DisplayPort™ 1.4 with Gsync support) 2x USB 3.2 Gen 2 Type-A 1x card reader (microSD) (UHS-II, 312MB/s)</div>		<div>I/O Ports</div> <div>1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 1x 2.5G LAN port 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1 x Type-C support USB3.2 Gen2 ( DisplayPort™ 1.4 with Gsync support) 2x USB 3.2 Gen 2 Type-A 1x card reader (microSD) (UHS-II, 312MB/s)</div>		<div>I/O Ports</div> <div>1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 1x 2.5G LAN port 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1 x Type-C support USB3.2 Gen2 ( DisplayPort™ 1.4 with Gsync support) 2x USB 3.2 Gen 2 Type-A 1x card reader (microSD) (UHS-II, 312MB/s)</div>	
<div>Keyboard and Touchpad</div> <div>Backlit Chiclet Keyboard Per-Key RGB Support NumberPad Touchpad</div>		<div>Keyboard and Touchpad</div> <div>Backlit Chiclet Keyboard Per-Key RGB Support NumberPad Touchpad</div>		<div>Keyboard and Touchpad</div> <div>Backlit Chiclet Keyboard Per-Key RGB Support NumberPad Touchpad</div>	




<div>Camera</div> <div>FHD 1080P@30FPS</div>	<div>Camera</div> <div>FHD 1080P@30FPS</div>	<div>Camera</div> <div>FHD 1080P@30FPS</div>	<div>Camera</div> <div>FHD 1080P@30FPS</div>
<div>Audio</div> <div>Smart Amp Technology Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 6-speaker(dual-force woofer) system with Smart Amplifier Technology</div>	<div>Audio</div> <div>Smart Amp Technology Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 6-speaker(dual-force woofer) system with Smart Amplifier Technology</div>	<div>Audio</div> <div>Smart Amp Technology Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 6-speaker(dual-force woofer) system with Smart Amplifier Technology</div>	<div>Audio</div> <div>Smart Amp Technology Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 6-speaker(dual-force woofer) system with Smart Amplifier Technology</div>
<div>Network and Communication</div> <div>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth*5.2 (*Bluetooth*version may change with OS version different.)</div>	<div>Network and Communication</div> <div>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth*5.2 (*Bluetooth*version may change with OS version different.)</div>	<div>Network and Communication</div> <div>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth*5.2 (*Bluetooth*version may change with OS version different.)</div>	<div>Network and Communication</div> <div>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth*5.2 (*Bluetooth*version may change with OS version different.)</div>
<div>Battery</div> <div>90WHrs, 4S1P, 4-cell Li-ion</div>	<div>Battery</div> <div>90WHrs, 4S1P, 4-cell Li-ion</div>	<div>Battery</div> <div>90WHrs, 4S1P, 4-cell Li-ion</div>	<div>Battery</div> <div>90WHrs, 4S1P, 4-cell Li-ion</div>
<div>Power Supply</div> <div>ø6.0, 330W AC Adapter, Output: 20V DC, 16.5A, 330W, Input: 100~240C AC 50/60Hz universal</div>	<div>Power Supply</div> <div>ø6.0, 330W AC Adapter, Output: 20V DC, 16.5A, 330W, Input: 100~240C AC 50/60Hz universal</div>	<div>Power Supply</div> <div>ø6.0, 330W AC Adapter, Output: 20V DC, 16.5A, 330W, Input: 100~240C AC 50/60Hz universal</div>	<div>Power Supply</div> <div>ø6.0, 330W AC Adapter, Output: 20V DC, 16.5A, 330W, Input: 100~240C AC 50/60Hz universal</div>
<div>AURA SYNC</div> <div>Yes</div>	<div>AURA SYNC</div> <div>Yes</div>	<div>AURA SYNC</div> <div>Yes</div>	<div>AURA SYNC</div> <div>Yes</div>
<div>Weight</div> <div>2.67 Kg (5.89 lbs)</div>	<div>Weight</div> <div>2.67 Kg (5.89 lbs)</div>	<div>Weight</div> <div>2.67 Kg (5.89 lbs)</div>	<div>Weight</div> <div>2.67 Kg (5.89 lbs)</div>
<div>Dimensions (W x D x H)</div> <div>35.5 x 26.6 x 2.05 ~ 2.97 cm (13.98" x 10.47" x 0.81" ~ 1.17")</div>	<div>Dimensions (W x D x H)</div> <div>35.5 x 26.6 x 2.05 ~ 2.97 cm (13.98" x 10.47" x 0.81" ~ 1.17")</div>	<div>Dimensions (W x D x H)</div> <div>35.5 x 26.6 x 2.05 ~ 2.97 cm (13.98" x 10.47" x 0.81" ~ 1.17")</div>	<div>Dimensions (W x D x H)</div> <div>35.5 x 26.6 x 2.05 ~ 2.97 cm (13.98" x 10.47" x 0.81" ~ 1.17")</div>
<div>Security</div> <div>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)</div>	<div>Security</div> <div>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)</div>	<div>Security</div> <div>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)</div>	<div>Security</div> <div>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)</div>
<div>Included in the Box</div> <div>Palm rest TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal (Optional) ROG Ranger BP2701 Gaming Backpack (Optional) ROG Fusion II 300 (Optional) ROG Gladius III Mouse P514 (Optional)</div>	<div>Included in the Box</div> <div>Palm rest TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal (Optional) ROG Ranger BP2701 Gaming Backpack (Optional) ROG Fusion II 300 (Optional) ROG Gladius III Mouse P514 (Optional)</div>	<div>Included in the Box</div> <div>Palm rest TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal (Optional) ROG Ranger BP2701 Gaming Backpack (Optional) ROG Fusion II 300 (Optional) ROG Gladius III Mouse P514 (Optional)</div>	<div>Included in the Box</div> <div>Palm rest TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal (Optional) ROG Ranger BP2701 Gaming Backpack (Optional) ROG Fusion II 300 (Optional) ROG Gladius III Mouse P514 (Optional)</div>
<div>Note</div> <div>All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.</div>	<div>Note</div> <div>All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.</div>	<div>Note</div> <div>All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.</div>	<div>Note</div> <div>All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.</div>

- This device supports Wi-Fi 6E, the newest standard in wireless networking. Please note that Wi-Fi 6E is not yet available in all regions. If your country has not opened up the necessary Wi-Fi bands, this device will use the best connection available. ROG will release a software update to enable Wi-Fi 6E when it's available in your region.
- The standard Asus test environment for battery life is as follows: Windows operating system, display module with 150 nits of brightness, lighting off, and other application settings.
- Video Playback: Testing is done with Wi-Fi/Bluetooth off, Windows Power Plan set to Balanced, Taskbar Power Mode set to Battery Saver, system volume at 67%, and video at full screen, 1080p resolution
- Web Browsing: Testing is done with Wi-Fi/Bluetooth, Windows Power Plan set to Balanced, Taskbar Power Mode set to Better Battery, and using the Weblooper Top50 website in Google Chrome to play the video with a refresh time of 10 seconds.
- Factors that affect battery life include laptop configuration, power settings, and the way it is used. Battery capacity fades with its cycle count and age.
- Quick-charging times apply when using the proper ASUS/ROG adapter included alongside the select model and the system is powered off (via the "shut down" command). In compatible scenarios, batteries can be recharged to 50% within 30 minutes under the optimal temperature range of 20-45 degrees Celsius. Charging times may vary +/- 10% due to system tolerance.
- The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- The actual HDMI version of the products should be checked in the product specifications page respectively.
- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- Unless otherwise stated, all performance claims are based on theoretical performance. Actual figures may vary in real-world situations.
- The actual transfer speed of USB 3.0, 3.1, 3.2, and/or Type-C will vary depending on many factors including the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment.

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