| Model | FX607VJR / 90NR0MZ6-M00JC0 |
|---|---|
| Marketing Name | ASUS TUF Gaming F16 |
| Operating System | Windows 11 Home |
| Office | 1-month trial for new Microsoft 365 customers. Credit card required. |
| Exclusive subscription offers | 3-Month Google AI Pro Subscription<br>6-Month Dropbox 500GB Subscription<br>1-Year ASUS Secure Auto-Backup 200GB Subscription<br>*Available in eligible markets only. Eligibility varies by region, device, and time. Terms and conditions apply. See promotion pages for details. |
| Color | Mecha Gray |
| LCD cover-material | Texture plastic |
| Top case-material | Aluminum |
| Bottom case-material | Texture plastic |
| Dimension (W x D x H) | 35.4 x 25.1 x 2.21 ~ 2.67 cm (13.94" x 9.88" x 0.87" ~ 1.05") |
| Weight | 2.20 Kg (4.85 lbs) |
| Processor | Intel® Core™ 5 Processor 205H 2.2 GHz (12MB Cache, up to 4.8 GHz, 8 cores, 12 Threads) |
| Chipset | N/A |
| Intergrated GPU | N/A |
| Discrete/Optimus | MSHybrid |
| Graphic | NVIDIA® GeForce RTX™ 3050 Laptop GPU |
| Graphic Wattage | 2195Mhz at 65W (2145MHz Boost Clock+50MHz OC, 50W+15W Dynamic Boost) |
| Graphic Memory | 6GB GDDR6 |
| Panel Size | 16-inch |
| Resolution | FHD+ 16:10 (1920 x 1200, WUXGA) |
| Refresh Rate | 144Hz |
| Response Time (G2G) | 3ms |
| Viewing Angle | 85/85/85/85 |
| Panel Tech | IPS-level |
| Brightness | 300nits |
| Contrast Ratio | 1000:1 |

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|---|---|
| **SRGB %** | 100% |
| **Surface texture of display** | Anti-glare(AG) display |
| **Adaptive-Sync technology** | N/A |
| **Pantone** | N/A |
| **Support Dolby Vision HDR** | N/A |
| **On board memory** | N/A |
| **DIMM Memory** | 16GB DDR5-5600 SO-DIMM<br>The memory speed of the systems vary by CPU SPEC |
| **Total System Memory** | DDR5 16GB |
| **Memory Slot** | 2x SO-DIMM slots |
| **Memory Max.** | 64GB |
| **Multi-channel memory technology** | Support dual channel memory technology |
| **Storage** | 512GB PCIe® 4.0 NVMe™ M.2 SSD |
| **M.2 slots support either SATA or NVMe** | 2 |
| **M.2 SSD Support List** | M.2 2TB G4X4 PCIe SSD<br>M.2 1TB G4X4 PCIe SSD<br>M.2 512GB G4X4 PCIe SSD |
| **Expansion Slot (includes used)** | 2x M.2 PCIe |
| **LAN** | 10/100/1000 Mbps |
| **Wireless** | Wi-Fi 6(802.11ax) (Dual band) 2*2 Wireless Card<br>Bluetooth® 5.2<br>(The features and supported version may vary depending on OS support and driver availability.) |
| **I/O Ports** | 1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery (data speed up to 10Gbps)<br>1x RJ45 LAN port<br>2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) |
| **Display output** | 1x HDMI 2.1 FRL |
| **Camera** | 720P HD camera |
| **Mic** | Built-in array microphone |
| **Keyboard Type** | Backlit Chiclet Keyboard 1-Zone RGB with Num-key<br>With Copilot key<br><br>*Copilot in Windows (in preview) is rolling out gradually within the latest update to Windows 11 in select global markets. Timing of availability varies by device and market. Learn more: https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#faq |

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|---|---|
| **Aura Sync** | N/A |
| **Touchpad** | Touchpad<br>N/A |
| **Speakers** | 2-speaker system |
| **Audio** | 1x 3.5mm Combo Audio Jack<br>Built-in array microphone |
| **Audio Tech** | Hi-Res certification (for headphone)<br>Support Microsoft Cortana near field/far field (Microsoft service suspended in spring of 2023.)<br>Dolby Atmos<br>AI noise-canceling technology |
| **Security** | BIOS Administrator Password and User Password Protection<br>Trusted Platform Module (Firmware TPM)<br>Kensington Security Slot™ |
| **Antivirus** | McAfee® 30 days free trial |
| **Battery** | 56WHrs, 4S1P, 4-cell Li-ion |
| **Fast charging** | Recharge from 0-50% in 30 minutes |
| **Charger included** | Included |
| **Power** | ø6.0, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC, 50/60Hz universal |
| **Required charging power** | Min: 45W<br>Max: 100W<br>*The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher. |
| **Xbox Game Pass** | XBOX Game Pass Premium_2 months (*Terms and exclusions apply. Offer only available in eligible markets for XBOX Game Pass Premium. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) |
| **Ecolabels & Compliances** | N/A |
| **Reparability Index (for France)** | 9.8 |