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| Part No | 90NR0MH1-M007A0 |
| Sales Model Name | FX608JH-QT129W |
| EAN Code | 4711636256247 |
| UPC Code | 199291256248 |
| WEEE | 2.8 |
| BASE UNIT | VSNR0MH1-BU1100 |
| Marketing Name | ASUS TUF Gaming F16 |
| Operating System | Windows 11 Home |
| Office | 1-month trial for new Microsoft 365 customers. Credit card required. |
| Color | Jaeger Gray |
| Dimension (W x D x H) | 35.4 x 26.9 x 1.79 ~ 2.73 cm (13.94" x 10.59" x 0.70" ~ 1.07") |
| Weight | 2.20 Kg (4.85 lbs) |
| Processor | 13th Gen Intel® Core™ i5-13450HX Processor 2.4 GHz (20M Cache, up to 4.6 GHz, 10 cores: 6 P-cores and 4 E-cores) |
| Chipset | Mobile Intel® HM770 Express Chipsets |
| Intergrated GPU | Intel® UHD Graphics |
| Discrete/Optimus | MUX Switch + NVIDIA® Advanced Optimus |
| Graphic | NVIDIA® GeForce RTX™ 5050 Laptop GPU |
| Graphic Wattage | 115W (100W+15W) |
| Graphic Memory | 8GB GDDR7 |
| Panel Size | 16-inch |
| Resolution | 2.5K (2560 x 1600, WQXGA) 16:10 aspect ratio |
| Refresh Rate | 165Hz |
| Viewing Angle | 85/85/85/85 |
| Panel Tech | IPS-level |
| Brightness | 400 |
| Contrast Ratio | 1000:1 |
| NTSC % | 72.00% |
| SRGB % | 100.00% |
| Adobe % | 75.35% |
| Surface texture of display | Anti-glare display |
| Adaptive-Sync technology | G-Sync |
| Pantone | N/A |
| Support Dolby Vision HDR | N/A |
| On board memory | N/A |
| DIMM Memory | 8GB DDR5-5600 SO-DIMM, the memory speed of the systems vary by CPU SPEC *2 |
| Total System Memory | DDR5 16GB |
| Memory Slot | 2x SO-DIMM slots |
| Memory Max. | 64GB |

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| 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 512GB PCIe SSD M.2 1TB PCIe SSD M.2 2TB PCIe SSD |
| Expansion Slot (includes used) | 2x DDR5 SO-DIMM slots 2x M.2 PCIe |
| LAN | 10/100/1000 Mbps |
| Wireless | Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.4 Wireless Card (*Bluetooth® version may change with OS version different.) |
| I/O Ports | 1x RJ45 LAN port 1x Thunderbolt™ 4 with support for DisplayPort™ / G-SYNC (data speed up to 40Gbps) 1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery (data speed up to 10Gbps) 3x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) |
| Display output | 1x HDMI 2.1 FRL |
| Camera | 1080P FHD IR Camera for Windows Hello |
| Mic | Built-in array microphone |
| Keyboard Type | Backlit Chiclet Keyboard 1-Zone RGB With Copilot key *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 |
| Aura Sync | Yes |
| Touchpad | Touchpad |
| Speakers | N/A 2-speaker system |
| Audio | 1x 3.5mm Combo Audio Jack Built-in array microphone |
| Audio Tech | AI noise-canceling technology Dolby Atmos Hi-Res certification (for headphone) Support Microsoft Cortana near field/far field (Microsoft service suspended in spring of 2023.) |
| Security | BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM) |
| Antivirus | McAfee® 30 days free trial |
| Battery | 90WHrs, 4S1P, 4-cell Li-ion |
| Power | Rectangle Conn, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100-240V AC, 50/60Hz universal |
| Required charging power | Min: 45W Max: 100W *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 for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) |
| Included in the Box | TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal TUF Gaming backpack |
| Ecolabels & Compliances | N/A |
| Reparability Index (for FR) | 9.5 |
| Reparability Index (for BNL) | 9.5 |