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|----------------------------|----------------------------------------------------------------------------------------------------------------|
| Part No                    | 90NR0NN1-M005T0                                                                                                |
| Sales Model Name           | TUF808UM-DICS8102W                                                                                             |
| EAN Code                   | 4711636322874                                                                                                  |
| UPC Code                   | 199291322875                                                                                                   |
| Marketing Name             | ASUS TUF Gaming A18                                                                                            |
| 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)      | 39.9 x 28.3 x 1.89 ~ 2.67 cm (15.71" x 11.14" x 0.74" ~ 1.05")                                                 |
| Weight                     | 2.60 Kg (5.73 lbs)                                                                                             |
| Processor                  | AMD Ryzen™ 7 260 Processor 3.8GHz (24MB Cache, up to 5.1 GHz, 8 cores, 16 Threads); AMD XDNA™ NPU up to 16TOPS |
| Chipset                    | N/A                                                                                                            |
| Integrated GPU             | AMD Radeon™ 780M Graphics                                                                                      |
| Discrete/Optimus           | MUX Switch + NVIDIA® Advanced Optimus                                                                          |
| Graphic                    | NVIDIA® GeForce RTX™ 5060 Laptop GPU                                                                           |
| Graphic Wattage            | 1737 MHz* at 115W (1687 MHz Boost Clock+50MHz OC, 100W + 15W Dynamic Boost)                                    |
| Graphic Memory             | 8GB GDDR7                                                                                                      |
| Neural Processor           | AMD XDNA™ NPU up to 16TOPS                                                                                     |
| Panel Size                 | 18-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                 | 300 nits                                                                                                       |
| Contrast Ratio             | 1000:1                                                                                                         |
| NTSC %                     | 72.00%                                                                                                         |
| SRGB %                     | 100%                                                                                                           |
| 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                | 16GB DDR5-5600 SO-DIMM, the memory speed of the systems vary by CPU SPEC                                       |

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total System Memory                   | DDR5 16GB                                                                                                                                                                                                                                                                                                                                                                                                      |
| Memory Slot                           | 2x SO-DIMM slots                                                                                                                                                                                                                                                                                                                                                                                               |
| Memory Max.                           | 64GB                                                                                                                                                                                                                                                                                                                                                                                                           |
| How to upgrade memory                 | Upgradable                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 PCIe 512GB<br>M.2 PCIe 1TB<br>M.2 PCIe 2TB                                                                                                                                                                                                                                                                                                                                                                 |
| Expansion Slot (includes used)        | 2x DDR5 SO-DIMM slots<br>2x M.2 PCIe                                                                                                                                                                                                                                                                                                                                                                           |
| LAN                                   | 10/100/1000 Mbps                                                                                                                                                                                                                                                                                                                                                                                               |
| Wireless                              | Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)                                                                                                                                                                                                                                                                                |
| I/O Ports                             | 1x RJ45 LAN port<br>1x Type-C USB 4 with support for DisplayPort™ (data speed up to 40Gbps)<br>1x USB 2.0 Type-A (data speed up to 480Mbps)<br>1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps)<br>2x 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<br>With Copilot key<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:<br><a href="https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#faq">https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#faq</a> |
| Aura Sync                             | Yes                                                                                                                                                                                                                                                                                                                                                                                                            |
| Touchpad                              | Touchpad<br>N/A                                                                                                                                                                                                                                                                                                                                                                                                |
| Speakers                              | 2-speaker system                                                                                                                                                                                                                                                                                                                                                                                               |
| Audio                                 | 1x 3.5mm Combo Audio Jack<br>Built-in array microphone                                                                                                                                                                                                                                                                                                                                                         |
| Audio Tech                            | AI noise-canceling technology<br>Dolby Atmos<br>Hi-Res certification (for headphone)<br>Support Microsoft Cortana near field/far field (Microsoft service suspended in spring of 2023.)                                                                                                                                                                                                                        |
| Security                              | BIOS Administrator Password and User Password Protection<br>Pluton Security Processor<br>Secured-core PC (Level 3)                                                                                                                                                                                                                                                                                             |
| Antivirus                             | McAfee® 30 days free trial                                                                                                                                                                                                                                                                                                                                                                                     |
| Battery                               | 90WHrs, 4S1P, 4-cell Li-ion                                                                                                                                                                                                                                                                                                                                                                                    |
| Fast charging                         | Recharge from 0-50% in 30 minutes                                                                                                                                                                                                                                                                                                                                                                              |
| Power                                 | Rectangle Conn, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C 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               | ENERGY STAR®<br>EPEAT Silver                                                                                                                                                                                                                                                                                                                                                                                   |
| Reparability Index (for France)       | 9.8                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reparability Index (for BNL)          | 9.8                                                                                                                                                                                                                                                                                                                                                                                                            |

