

Part No	**90NR0NN1-M005T0**
Sales Model Name	**TUF808UM-DICS8102W**
EAN Code	**4711636322874**
UPC Code	**199291322875**
BASE UNIT	**VSNR0NN1-BU1100**
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**
Intergrated 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** **M.2 PCIe 1TB** **M.2 PCIe 2TB**
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® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)**
I/O Ports	**1x RJ45 LAN port** **1x Type-C USB 4 with support for DisplayPort™ (data speed up to 40Gbps)** **1x USB 2.0 Type-A (data speed up to 480Mbps)** **1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps)** **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** **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** **N/A**
Speakers	**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** **Pluton Security Processor** **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** **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 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®** **EPEAT Silver**
Reparability Index (for France)	**9.8**
Reparability Index (for BNL)	**9.8**