

# RYALTECH LAPTOP'S



## **ASUS Vivobook Go 15 15.6" FHD Ryzen 3 8GB RAM 512GB M.2 SSD Laptop - Mixed Black \$645**

### Specifications

|                  |                                  |
|------------------|----------------------------------|
| CPU              |                                  |
| CPU Type         | Ryzen 3                          |
| Operating System |                                  |
| Operating System | Windows 11 Home                  |
| General          |                                  |
| Memory Size      | 8GB                              |
| SSD              | 512GB                            |
| Screen Size      | 15" - 15.6"                      |
| Graphics Card    | AMD                              |
| Touch Screen     | No                               |
| USB Port         | USB Type-C<br>USB Type-A         |
| Interface        | Mic/Headphone-in and out<br>HDMI |
| Weight           | 1.63 kg                          |
| Dimensions       | 36.03 x 23.25 x 1.79 ~ 1.79 cm   |
| AC Adapter       | ø4.5, 45W AC Adapter             |
| Battery          | 42WHrs, 3S1P, 3-cell Li-ion      |

## Manufacturer Specifications

|                                 |                                                                            |
|---------------------------------|----------------------------------------------------------------------------|
| Colour                          | Mixed Black                                                                |
| Operating System                | Windows 11 Home - ASUS recommends Windows 11 Pro for business              |
| Processor                       | AMD Ryzen™ 3 7320U Processor 2.4GHz (6MB Cache, up to 4.1GHz, 4 c          |
| Graphics                        | AMD Radeon™ Graphics                                                       |
| Display                         | 15.6-inch, FHD (1920 x 1080) 16:9, IPS-level Panel , LED Backlit , 60Hz re |
| Memory                          | 8GB LPDDR5 on board                                                        |
|                                 | - Max Total system memory up to:8GB                                        |
| Storage                         | 512GB M.2 NVMe™ PCIe® 3.0 SSD                                              |
| Expansion Slots (includes used) | 1x M.2 2280 PCIe 3.0x2                                                     |
| I/O Ports                       | 1x USB 2.0 Type-A (data speed up to 480Mbps)                               |
|                                 | 1x USB 3.2 Gen 1 Type-C (data speed up to 5Gbps)                           |
|                                 | 1x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps)                           |
|                                 | 1x HDMI 1.4                                                                |
|                                 | 1x 3.5mm Combo Audio Jack                                                  |
|                                 | 1x DC-in                                                                   |
| Keyboard & Touchpad             | Chiclet Keyboard, 1.4mm Key-travel, Precision touchpad                     |
| Camera                          | 720p HD camera                                                             |
|                                 | With privacy shutter                                                       |
| Audio                           | SonicMaster                                                                |
|                                 | Built-in speaker                                                           |
|                                 | Built-in array microphone                                                  |
|                                 | with Cortana voice-recognition support                                     |
| Network and Communication       | Wi-Fi 6E(802.11ax) (Triple band) 1*1 + Bluetooth® 5.3 Wireless Card (*Blu  |
| Battery                         | 42WHrs, 3S1P, 3-cell Li-ion                                                |
| Power Supply                    | ø4.5, 45W AC Adapter, Output: 19V DC, 2.37A, 45W, Input: 100~240V AC       |
| Weight                          | 1.63 kg (3.59 lbs)                                                         |
| Dimensions (W x D x H)          | 36.03 x 23.25 x 1.79 ~ 1.79 cm (14.19" x 9.15" x 0.70" ~ 0.70")            |
| Built-in Apps                   | MyASUS                                                                     |
|                                 | GlideX                                                                     |
| MyASUS Features                 | System diagnosis                                                           |
|                                 | Battery health charging                                                    |
|                                 | Fan Profile                                                                |
|                                 | Splendid                                                                   |
|                                 | Function key lock                                                          |

|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
|                       | WiFi SmartConnect                                                                                  |
|                       | TaskFirst                                                                                          |
|                       | Live update                                                                                        |
|                       | AI Noise Canceling                                                                                 |
| Microsoft Office      | 1-month trial for new Microsoft 365 customers. Credit card required.                               |
| Military Grade        | US MIL-STD 810H military-grade standard                                                            |
| Regulatory Compliance | Energy star 8.0                                                                                    |
|                       | RoHS                                                                                               |
|                       | REACH                                                                                              |
| Security              | Trusted Platform Module (Firmware TPM)                                                             |
|                       | BIOS Booting User Password Protection                                                              |
|                       | McAfee®                                                                                            |
| Disclaimer            | This product has only been tested for compatibility with the Windows 11 op versions are installed. |



## LG GramBook 15.6" FHD i5 8GB RAM 512GB M.2 SSD Laptop – Grey \$949

### Specifications

|                  |                 |
|------------------|-----------------|
| CPU              |                 |
| CPU Type         | Intel Core i5   |
| Operating System |                 |
| Operating System | Windows 11 Home |

| General       |                              |
|---------------|------------------------------|
| Memory Size   | 8GB                          |
| SSD           | 512GB                        |
| Screen Size   | 15" - 15.6"                  |
| Graphics Card | Intel<br>Iris Xe Graphics    |
| Touch Screen  | No                           |
| USB Port      | USB Type-C<br>USB Type-A     |
| Interface     | HDMI                         |
| Weight        | 1.7 Kg                       |
| Dimensions    | 359.8 x 237.8 x 18.9~19.4 mm |
| Battery       | 51Wh Li-Ion                  |

## Manufacturer Specifications

| INFO                     |                                                  |
|--------------------------|--------------------------------------------------|
| Product Category         | gram Book                                        |
| Year                     | Y25                                              |
| DIMENSION / WEIGHT       |                                                  |
| Dimension(mm)            | 359.8 x 237.8 x 18.9~19.4 mm                     |
| weight(kg)               | 1.7 Kg (1.69 kg)                                 |
| Dimension(inch)          | 14.16 x 9.36 x 0.74 ~ 0.76 inch                  |
| Shipping Dimension(mm)   | 552 x 345 x 69 mm                                |
| Shipping weight(kg)      | 2.67 Kg                                          |
| weight(lb)               | 3.74 lb (3.72 lb)                                |
| Shipping weight(lb)      | 5.88 lb                                          |
| Shipping Dimension(inch) | 21.73 x 13.58 x 2.71 inch                        |
| BATTERY                  |                                                  |
| Battery                  | 51Wh Li-Ion                                      |
| SYSTEM                   |                                                  |
| Graphic                  | Intel Iris Xe Graphics (i5 CPU)                  |
| Memory                   | 8GB                                              |
| Operating System         | Windows 11 Home                                  |
| Processor                | Intel® Core™ i5-1334U (10 Cores: 2P + 8E, P: 1.3 |
| DISPLAY                  |                                                  |
| Brightness               | 300nit                                           |
| Colour Gamut             | NTSC 45% (Typical)                               |

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| Contrast                              | 700:1 (Typical)                                 |
| Panel Type                            | IPS Non Touch                                   |
| Panel Multi                           | LGD                                             |
| Pol                                   | Anti-Glare                                      |
| Ratio                                 | 16:09                                           |
| Refresh Rate                          | 60Hz                                            |
| Resolution                            | FHD (1920*1080)                                 |
| Response Time                         | 25ms                                            |
| Size (Inch)                           | 15.6inch                                        |
| Size (cm)                             | 39.6cm                                          |
| SECURITY                              |                                                 |
| fTPM/HW TPM                           | Option                                          |
| Slim Kensington lock                  | YES                                             |
| SSD Security                          | YES                                             |
| STORAGE                               |                                                 |
| SSD                                   | M.2 Dual SSD slots, Gen4 - NVMe : 512GB         |
| CONNECTIVITY                          |                                                 |
| BT                                    | BT 5.2                                          |
| Webcam                                | HD Webcam w/Privacy camera shutter              |
| Wireless                              | Intel Wireless-AX203 (Wi-Fi 6, 2x2, BT Combo)   |
| ACCESSORY                             |                                                 |
| Accessory                             | Bag, Mouse (B2B option)                         |
| PRE-INSTALLED SW                      |                                                 |
| Dolby Atmos                           | YES                                             |
| LG gram Link                          | YES                                             |
| Intel® Connectivity Performance Suite | YES                                             |
| LG Display Extension                  | YES                                             |
| LG Easy Guide / Troubleshooting Guide | NO                                              |
| LG Glance by Mirametrix®              | NO                                              |
| LG On Screen Display 3                | YES                                             |
| LG PC Manuals                         | YES                                             |
| LG Pen Settings                       | NO                                              |
| LG Security Guard                     | YES                                             |
| Quick Share                           | YES                                             |
| LG Update & Recovery                  | YES (NO at launch, will be updated in Jan 2025) |

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| McAfee Live Safe (30 Days Trial) | YES                                               |
| Microsoft 365 (30 Days Trial)    | YES                                               |
| Bamboo Paper                     | NO                                                |
| LG Smart Assistant               | YES                                               |
| LG Quick Guide                   | YES                                               |
| LG Lively Theme                  | YES                                               |
| INPUT DEVICE                     |                                                   |
| Keyboard                         | Full Size 97 Keys(US), 98 Keys(UK) w/ Numeric ke  |
| Pointing Device                  | Precision Touch Pad w/ Scroll and Gesture Functio |
| LED                              |                                                   |
| LED                              | Power, Charging                                   |
| THERMAL                          |                                                   |
| Thermal                          | Fan cooling system                                |
| BUTTON                           |                                                   |
| Button                           | Power button without Fingerprint                  |
| INPUT/OUTPUT PORT                |                                                   |
| HP-Out                           | 4Pole Headset, US type                            |
| USB Type A                       | USB 3.2 Gen 1x1 (x1), USB 2.0 (x1)                |
| USB Type C                       | USB 3.2 Gen 2x1 & USB PD Support (x2)             |
| HDMI                             | HDMI (4K@60Hz)                                    |



## Lenovo Legion 5 Gen 10 15.1" WQXGA Ryzen 7 24GB RAM 512GB RTX 5050 Gaming Laptop \$1,849

### Specifications

|                  |                                                   |
|------------------|---------------------------------------------------|
| CPU              |                                                   |
| CPU Type         | Ryzen 7                                           |
| Operating System |                                                   |
| Operating System | Windows 11 Home                                   |
| General          |                                                   |
| Memory Size      | 24GB                                              |
| SSD              | 512GB                                             |
| Screen Size      | 15" - 15.6"                                       |
| Graphics Card    | nVidia<br>RTX 5050                                |
| Touch Screen     | No                                                |
| USB Port         | USB Type-C<br>USB Type-A                          |
| Interface        | Mic/Headphone-in and out<br>RJ45 LAN Jack<br>HDMI |
| Weight           | 1.9 kg                                            |
| Dimensions       | 344.9 x 255.35 x 19.95-21.54 mm                   |
| AC Adapter       | 245W Slim Tip (3-pin)                             |
| Battery          | 80Wh                                              |

# Manufacturer Specifications

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| Legion 5 15AHP10     |                                                                                        |
| Model : 83M0001BAU   |                                                                                        |
| PERFORMANCE          |                                                                                        |
| Processor            | AMD Ryzen 7 260 (8C / 16T, 3.8 / 5.1GHz, 8MB L2 / 16MB L3)                             |
| AI PC Category       | AI-Powered Gaming PC                                                                   |
| NPU                  | Integrated AMD Ryzen AI, up to 16 TOPS                                                 |
| Graphics             | NVIDIA GeForce RTX 5050 8GB GDDR7, Boost Clock 2662MHz, TGP 115W, 100% Max Power       |
| Chipset              | AMD SoC Platform                                                                       |
| Memory               | 1x 24GB SO-DIMM DDR5-5600                                                              |
| Memory Slots         | Two DDR5 SO-DIMM slots, dual-channel capable                                           |
| Max Memory           | Up to 32GB DDR5-5600 offering                                                          |
| Storage              | 512GB SSD M.2 2242 PCIe 4.0x4 NVMe                                                     |
| Storage Slot[1]      | Two M.2 2280 PCIe 4.0 x4 slots                                                         |
| Max Storage Support  | Up to two drives, 2x M.2 SSD<br>• M.2 2242 SSD up to 1TB each                          |
| Optical              | None                                                                                   |
| Card Reader          | None                                                                                   |
| Audio Chip           | High Definition (HD) Audio, Realtek ALC3287 codec                                      |
| Speakers             | Stereo speakers, 2W x2, audio by HARMAN, optimized with Nahimic Audio                  |
| Microphone           | 2x, Array                                                                              |
| Camera               | 5.0MP with E-shutter                                                                   |
| Battery              | 80Wh                                                                                   |
| Power Adapter        | 245W Slim Tip (3-pin)                                                                  |
| Special Features     | AI Chip: LA1                                                                           |
| DESIGN               |                                                                                        |
| Display              | 15.1" WQXGA (2560x1600) OLED 1000nits (peak) / 500nits (typical) glossy, 100% DCI-P3   |
| Touchscreen          | None                                                                                   |
| Screen-to-Body Ratio | OLED models: 90% AAR (active area ratio)                                               |
| Color Calibration    | Factory Color Calibration                                                              |
| Pen                  | Pen Not Supported                                                                      |
| Keyboard             | 24-Zone RGB Backlit, English                                                           |
| Touchpad             | Buttonless Mylar surface multi-touch touchpad, supports Precision TouchPad (10-finger) |
| Dimensions (WxDxH)   | 344.9 x 255.35 x 19.95-21.54 mm (13.58 x 10.05 x 0.79-0.85 inches)                     |
| Weight               | Starting at 1.9 kg (4.19 lbs)                                                          |
| Case Color           | Eclipse Black                                                                          |

|                                                                                                    |                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Case Material                                                                                      | Aluminium (Top), PC-ABS + 15% Talc (Bottom)                                                                                                                                                                                                                                                                                             |
| Surface Treatment                                                                                  | Aluminium Stamping (Anodized with Sandblasting)                                                                                                                                                                                                                                                                                         |
| SOFTWARE                                                                                           |                                                                                                                                                                                                                                                                                                                                         |
| Operating System                                                                                   | Windows 11 Home, English                                                                                                                                                                                                                                                                                                                |
| Bundled Software                                                                                   | Office Trial + Lenovo AI Now                                                                                                                                                                                                                                                                                                            |
| CONNECTIVITY                                                                                       |                                                                                                                                                                                                                                                                                                                                         |
| WLAN + Bluetooth[2]                                                                                | Wi-Fi 7, 802.11be 2x2 + BT5.4                                                                                                                                                                                                                                                                                                           |
| WWAN                                                                                               | Non-WWAN                                                                                                                                                                                                                                                                                                                                |
| Ethernet                                                                                           | 100/1000M (RJ-45)                                                                                                                                                                                                                                                                                                                       |
| Standard Ports[3]                                                                                  | 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)<br>1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On<br>1x USB-C (USB 10Gbps / USB 3.2 Gen 2), with USB PD 65-100W and DisplayPort<br>1x USB-C (USB4 40Gbps), with DP 1.4<br>1x HDMI 2.1, up to 8K/60Hz<br>1x Headphone / microphone combo jack (3.5mm)<br>1x Ethernet (RJ-45)<br>1x Power connector |
| Docking                                                                                            | Various docking solutions supported via USB-C.                                                                                                                                                                                                                                                                                          |
| SECURITY & PRIVACY                                                                                 |                                                                                                                                                                                                                                                                                                                                         |
| Security Chip                                                                                      | Firmware TPM 2.0 Enabled                                                                                                                                                                                                                                                                                                                |
| Fingerprint Reader                                                                                 | None                                                                                                                                                                                                                                                                                                                                    |
| Other Security                                                                                     | E-shutter                                                                                                                                                                                                                                                                                                                               |
| MANAGEABILITY                                                                                      |                                                                                                                                                                                                                                                                                                                                         |
| SERVICE                                                                                            |                                                                                                                                                                                                                                                                                                                                         |
| Base Warranty                                                                                      | 1-year, Courier or Carry-in                                                                                                                                                                                                                                                                                                             |
| Included Upgrade                                                                                   | None                                                                                                                                                                                                                                                                                                                                    |
| ACCESSORIES                                                                                        |                                                                                                                                                                                                                                                                                                                                         |
| Bundled Accessories                                                                                | None                                                                                                                                                                                                                                                                                                                                    |
| CERTIFICATIONS                                                                                     |                                                                                                                                                                                                                                                                                                                                         |
| Green Certifications                                                                               | ENERGY STAR 9.0<br>EPEAT Gold Registered<br>ErP Lot 6/26<br>RoHS compliant                                                                                                                                                                                                                                                              |
| Other Certifications                                                                               | TÜV Rheinland Low Blue Light (Hardware Solution)                                                                                                                                                                                                                                                                                        |
| Note                                                                                               |                                                                                                                                                                                                                                                                                                                                         |
| 1. The 1st SSD slot supports PCIE 4.0 x4 Lanes, while the 2nd SSD slot supports PCIE 4.0 x2 Lanes. |                                                                                                                                                                                                                                                                                                                                         |
| 2. Wi-Fi 7 operation is subject to the regulation rules in each country.                           |                                                                                                                                                                                                                                                                                                                                         |
| 3. Supports Lenovo protocol for 140W charging but requires a unique Lenovo adapter for operation.  |                                                                                                                                                                                                                                                                                                                                         |

# Optional Extra's

AOC 22B15HN 21.5inch FHD VA 100Hz Adaptive-Sync Monitor \$119  
Logitech MK235 Wireless Keyboard & Mouse Combo \$50  
Logitech M185 Wireless Mouse - Blue \$28  
Logitech G240 Cloth Gaming Mousepad \$24  
Logitech Z150 Multimedia 2.0 Speakers Black \$59  
Microsoft Office 2024 Home \$219  
Trend Micro Security Suite Pro (3 Devices) 1 Year \$109  
Business or Home Install & Setup (Available with Desktop or Laptop Purchase)  
\$100.00

**\*\* To place an order or if you have any further questions or queries please contact Shaun at RYALTECH via email or phone \*\***

