



Acer Nitro 5 AN515-58-582F Laptop 39.6 cm (15.6") Full HD Intel® Core™ i5 i5-12450H 8 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : Acer

Product family: Nitro

Product code: NH.QLZEK.007

Product name : AN515-58-582F



- Windows 11 Home 64-bit
- Intel Core i5-12450H (12MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 LCD, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 8GB DDR5-SDRAM & 512GB SSD

Intel Core i5-12450H (12MB Cache), 8GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 LCD, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

Acer Nitro 5 AN515-58-582F. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12450H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Black



| Design | | Audio | |
|--------------------------------------|--------------------------|---|--------------------|
| Product type * | Laptop | Number of built-in speakers | 2 |
| Product colour * | Black | Built-in microphone | ✓ |
| Form factor * | Clamshell | Number of microphones | 2 |
| Market positioning | Gaming | Camera | |
| Display | | Front camera | ✓ |
| Display diagonal * | 39.6 cm (15.6") | Front camera resolution | 1280 x 720 pixels |
| Display resolution * | 1920 x 1080 pixels | Front camera HD type | HD |
| Touchscreen * | ✗ | Network | |
| HD type | Full HD | Top Wi-Fi standard * | Wi-Fi 6 (802.11ax) |
| Panel type | LCD | Wi-Fi standards | Wi-Fi 6 (802.11ax) |
| LED backlight | ✓ | Mobile network connection * | ✗ |
| Native aspect ratio | 16:9 | Ethernet LAN | ✓ |
| Maximum refresh rate | 144 Hz | Ethernet LAN data rates | 10,1000,100 Mbit/s |
| Processor | | Bluetooth | ✓ |
| Processor manufacturer * | Intel | Ports & interfaces | |
| Processor generation | 12th gen Intel® Core™ i5 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1 |
| Processor family * | Intel® Core™ i5 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2 |
| Processor model * | i5-12450H | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1 |
| Processor boost frequency | 4.4 GHz | Ethernet LAN (RJ-45) ports | 1 |
| Efficient-core Max Turbo Frequency | 3.3 GHz | HDMI ports quantity * | 1 |
| Performance-core Max Turbo Frequency | 4.4 GHz | Combo headphone/mic port | ✓ |
| Processor cores | 8 | Keyboard | |
| Processor cache | 12 MB | Pointing device | Touchpad |
| Processor cache type | Smart Cache | Numeric keypad * | ✓ |
| Processor base power | 45 W | Keyboard backlit | ✓ |
| Maximum turbo power | 95 W | Keyboard backlit colour | RGB |
| Performance cores | 4 | Keyboard backlit zone | 4-zone RGB |
| Efficient cores | 4 | Software | |
| Memory | | Operating system architecture | 64-bit |
| Internal memory * | 8 GB | Operating system installed * | Windows 11 Home |
| Internal memory type | DDR5-SDRAM | | |
| Memory form factor | SO-DIMM | | |

| Memory | | Battery | |
|--------------------------------|-------------------------|-------------------------------|-----------------------------|
| Memory slots | 2x SO-DIMM | Battery technology | Lithium Polymer (LiPo) |
| Maximum internal memory * | 32 GB | Number of battery cells | 4 |
| Storage | | Battery capacity * | 59 Wh |
| Total storage capacity * | 512 GB | Battery life (max) | 5 h |
| Storage media * | SSD | Power | |
| Total SSDs capacity | 512 GB | AC adapter power | 230 W |
| Number of SSDs installed | 1 | Security | |
| SSD capacity | 512 GB | Cable lock slot | ✓ |
| SSD interface | PCI Express | Cable lock slot type | Kensington |
| NVMe | ✓ | Trusted Platform Module (TPM) | ✓ |
| Optical drive type * | ✗ | Password protection | ✓ |
| Graphics | | Password protection type | BIOS, HDD, Supervisor, User |
| Discrete GPU manufacturer | NVIDIA | Weight & dimensions | |
| Discrete graphics card model * | NVIDIA GeForce RTX 4050 | Width | 360.4 mm |
| On-board graphics card * | ✓ | Depth | 271.1 mm |
| Discrete graphics card * | ✓ | Height (front) | 2.59 cm |
| On-board graphics card family | Intel® UHD Graphics | Height (rear) | 2.69 cm |
| On-board graphics card model * | Intel® UHD Graphics | Weight * | 2.5 kg |
| Discrete graphics card memory | 6 GB | Packaging content | |
| Discrete graphics memory type | GDDR6 | Cables included | AC |



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