ALIENWARE AREA-51 GAMING DESKTOP
TECHNICAL SPECIFICATIONS

Chassis Details

System Dimensions
Volume: 80.5 L
Height (maximum): 569 mm (22.4 in.)
Width (maximum): 231.6 mm. (9.118 in.)
Length (maximum): 610.5 mm. (24.04 in.)
Maximum weight: 34.5 Kgs. (76.1 lbs.)

Chassis Color
Lunar Silver on various surfaces including front, top, rear, and bottom
Lunar Light on right-side face

AlienFX Lighting Zones
Alien Head Power Button
Front Stadium Loop
Alienware wordmark
Top-face fans
Front-face fans
Bottom-face fans
CPU

AlienFX Lighting Behaviors
Solid color - choose from any of 16.7 million colors in each zone
Color pulse - enable a flashing on/off with any solid color option in each zone
Color morph - choose any two colors and watch them transform into each other in a loop in each zone
Color breathing - enable a fade on and fade off of any solid color in each zone
Color spectrum – enables the cycling from one color to the next with one color visible at a time in a loop in each zone
Rainbow wave – an all-zones behavior that has each zones cycle through colors in serial

Chassis Options
850W Gold Rated ATX12VO PSU, 240mm Liquid-Cooled CPU
850W Gold Rated ATX12VO PSU, 360mm Liquid-Cooled CPU
1500W Platinum Rated ATX12VO PSU, 240mm Liquid-Cooled CPU
1500W Platinum Rated ATX12VO PSU, 360mm Liquid-Cooled CPU

Motherboard Details

Form Factor
Industry Standard ATX, Alienware motherboard
Chipset
Intel® Z890 Chipset
Voltage Regulation
14-phase processor voltage regulation with aluminum heatsinks
PCI-Express Specifications
Slot 1: x16 Gen5 electrical, x16 physical
Slot 2: x4 Gen4 electrical, x4 physical
Slot 3: x4 Gen4 electrical, x4 physical

Processor Options

Intel® Core™ Ultra 7 processor 265 (20-Core, 66MB Total Cache, 1.8GHz to 5.3GHz)
Intel® Core™ Ultra 9 processor 285 (20-Core, 76MB Total Cache, 1.9Ghz to 5.6GHz)
Intel® Core™ Ultra 7 processor 265K (20-Core, 66MB Total Cache, 3.3GHz to 5.5GHz)
Intel® Core™ Ultra 9 processor 285K (24-Core, 76MB Total Cache, 3.7GHz to 5.7GHz)

Graphics Options

NVIDIA® GeForce RTX™ 4090D 24GB GDDR7
NVIDIA® GeForce RTX™ 5080 16GB GDDR7
NVIDIA® GeForce RTX™ 5090 32GB GDDR7

Memory Options

16GB Dual Channel DDR5 (2x 8GB) at 5600 MT/s; up to 64GB (additional memory sold separately)
32GB Dual Channel DDR5 XMP (2x 16GB) at 6400 MT/s; up to 64GB (additional memory sold separately)
64GB Dual Channel DDR5 XMP (2x 32GB) at 6400 MT/s

Memory Slots
2x UDIMM

Storage Options

Storage Drive Options
1TB NVMe M.2 PCIe Gen4 SSD
2TB NVMe M.2 PCIe Gen4 SSD
2TB NVMe M.2 PCIe Gen5 SSD
4TB NVMe M.2 PCIe Gen4 SSD

1TB NVMe M.2 PCIe Gen4 SSD (Boot) + 2TB NVMe M.2 PCIe Gen4 SSD (Storage)
1TB NVMe M.2 PCIe Gen4 SSD (Boot) + 4TB NVMe M.2 PCIe Gen4 SSD (Storage)
2TB NVMe M.2 PCIe Gen5 SSD (Boot) + 4TB NVMe M.2 PCIe Gen4 SSD (Storage)
4TB NVMe M.2 PCIe Gen4 SSD (Boot) + 4TB NVMe M.2 PCIe Gen4 SSD (Storage)

Optical Drive Options

No Optical Drive
Dell External USB DVD/RW (optional)

Audio, Networking and Wireless

Audio Details
Integrated High-Definition Performance Audio
Networking and Wi-Fi Details
Intel® Killer™ E3100 2.5G Ethernet NIC **(Standard)**
Intel® Killer™ Wi-Fi 7 BE1750 (2x2 320Hz) MIMO 802.11be Wireless LAN and Bluetooth 5.4 **(Standard)**

External Chassis Connections

Top Ports
(1x) Microphone In
(1x) Line Out
(2x) USB 3.2 Gen 1 Type-A (5 Gbps) ports
(2x) USB 3.2 Gen 2 Type-C (10 Gbps) ports with PowerShare technology

Rear Ports
(1x) SPDIF Digital Output (TOSLINK)
(1x) Line Out
(1x) Line In
(2x) Thunderbolt 4 ports
(2x) USB 3.2 Gen 2 Type-C (10Gbps)
(1x) USB 3.2 Gen 1 Type-A (5Gbps)
(3x) USB 2.0 ports
(2x) USB 2.0 ports with Smart Power technology
(1x) RJ-45 Killer™ E3100G 2.5 Gigabit Ethernet

Software

Operating System Options
Windows® 11 Home (64-bit)
Windows® 11 Professional (64-bit)

Alienware Command Center
Game Library allows you to manage your game experiences individually with custom settings
AlienFX supports up to 16.8 million colors, keybinds and calibration settings on Alienware peripherals
Power Management pre-sets include Quiet, Balanced and Performance modes.

Available configurations and components may vary over the course of the product's lifecycle.