acer

Acer Nitro 16

(AN16-42-R12M)

- Processor: AMD Ryzen™ 7 8845HS
- Display: 16" Acer ComfyView™ WQXGA IPS 165 Hz (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 4070
- Operating system: Linux (eShell)

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Ordering Information

Series	Acer Nitro 16
Model name	AN16-42-R12M
Part number	NH.QSLEX.007
EAN	4711474128447
Short description	16" Acer ComfyView™ WQXGA IPS 165 Hz (non-glare) / AMD Ryzen™ 7 8845HS / 16 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 4070 / Linux (eShell) / Obsidian Black

Operating System

Operating System	Linux (eShell)

Housing

Housing / Color	Obsidian Black
Component door	-
Dimensions	360.1 x 279.9 x 27.9 mm (W x D x H)
Weight	2.65 kg
Passively cooled (fanless)	-

Display

Display size	16 Inch (40,64 cm)
Display type	Acer ComfyView™ WQXGA IPS 165 Hz Display with LED-Back-light (non-glare)
Display resolution in pixel	2.560 x 1.600
Aspect ratio	16:10

Processor

Processor	AMD Ryzen™ 7 8845HS Processor
Clock frequency	3.8 GHz base clock (Up to 5.1 GHz max. performance clock rate)
Cache	16MB
Processing cores / threads	8 / 16
NPU	AMD Ryzen™ AI (up to 16 TOPS)

Storage and drives

Memory	16 GB DDR5 RAM
Memory configuration	1 x 16 GB DDR5 RAM
Maximum RAM	Up to 32 GB DDR5 RAM (2x 16 GB soDIMM)
Mass storage	1.000 GB M.2 PCIe Gen4 Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4070
Graphics card memory dedicated	8 GB GDDR6 VRAM
Maximum Graphic Power	140
Maximum Boost Frequency	2080

Connections

LAN	Killer™ Gigabit Ethernet E3100G
Wireless LAN	Intel® Wi-Fi 6E (802.11 ax)
Wireless WAN / SIM-Card	-
Wireless Gigabit	-
Bluetooth	Bluetooth® 5.3
NFC	-

IO ports

HDMI	1x HDMI® 2.1
Displayport	via USB Type-C
Thunderbolt	-
USB 3.2	3x (2x Type-A Gen 2 (1x with Power-Off USB Charging); 1x Type-C Gen 2)
USB 3.1	-
USB 3.0	-
USB 2.0	1x (Type-A)
USB 4.0	1x (Type-C)
Ethernet (RJ-45)	Yes
Cardreader	MicroSD Card reader (up to 512GB)
Smart card reader	-
Audio port	1x 3.5 mm speaker/headphone/line-out (supports headsets with integrated microphone)
Docking port	-

Input

Keyboard	Acer FineTip RGB keyboard with numpad (103-/104-/107-keys)
Keyboard layout	US International/Bulgarian
Backlit keyboard	Yes
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	-

Audio and video

Audio	DTS® X: Ultra Audio, Acer TrueHarmony, Acer Purified, AI noise reduction	compatible with Cortana with Voice
Speaker	two built-in stereo speakers
Microphone	three built-in microphones
Webcam	HD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 90 Wh)
Battery lifetime	Up to 9 hours
Power adapter	230W AC power adapter
Battery built in	-

Software

Other software	NitroSense™, Planet9, Acer Product Registration, Acer QuickPanel

Special features

Special features	Liquid Metal, Vector heat pipe, Dual Fan Cooling, Quad-intake, Quad-exhaust

Warranty

Warranty	1 year carry in warranty (1st year International Travelers Warranty)

Logistics

Quantity per layer	20
Quantity per europallet	60
Quantity per tower	100
Quantity per container	1100
Carton dimensions / weight	543.0 x 341.0 x 80.0 mm (W x D x H) / 4.12 kg