



Acer Predator Triton Neo 16

(PTN16-51-90E7)



- Processor: Intel® Core™ Ultra 9 processor 185H
- Display: 16" Acer ComfyView™ 3.2K WQXGA+ IPS 165Hz (non-glare)
- Memory: 32 GB LPDDR5X RAM
- Mass storage: 2x 1.000 GB PCIe SSD
- Graphics card: NVIDIA® GeForce RTX™ 4070
- Operating system: Windows 11 Pro (64 Bit)

165_{HZ}



IPS
In-Plane Switching





Acer PTN16-51-90E7

SPECIFICATIONS



Ordering Information

Series	Acer Predator Triton Neo 16
Model name	PTN16-51-90E7
Part number	NH.QPPEG.003
EAN	4711121966620
Short description	16" Acer ComfyView™ 3.2K WQXGA+ IPS 165Hz (non-glare) / Intel® Core™ Ultra 9 processor 185H / 32 GB LPDDR5X RAM / 2x 1.000 GB PCIe SSD / NVIDIA® GeForce RTX™ 4070 / Windows 11 Pro (64 Bit) / Sparkly Silver

Operating System

Operating System	Windows 11 Pro (64 Bit)
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Housing

Housing / Color	Sparkly Silver
Component door	-
Dimensions	356.00 x 249.17 x 20.83 mm (W x D x H)
Weight	2.05 kg
Passively cooled (fanless)	-

Display

Display size	16 inches (40.64 cm)
Display type	Acer ComfyView™ 3.2K WQXGA+ IPS 165Hz Display (non-glare)
Display resolution in pixel	3200 x 2000
Aspect ratio	16:10

Processor

Processor	Intel® Core™ Ultra 9 processor 185H
Clock frequency	Up to 5.1 GHz max. performance clock rate
Cache	24 MB Intel® Smart Cache
Processing cores / threads	6 Performance-cores + 8 Efficient-cores + 2 Low-power Efficient-cores / 22 Threads
NPU	Intel® AI Boost (up to 11 TOPS)

Storage and drives

Memory	32 GB LPDDR5X RAM
Memory configuration	1 x 32 GB LPDDR5X RAM
Maximum RAM	Onboard RAM (not replaceable or expandable)
Mass storage	2x 1.000 GB M.2 PCIe Solid-State-Drive (SSD) RAID

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4070
Graphics card memory dedicated	8 GB GDDR6 VRAM
Maximum Graphic Power	110
Maximum Boost Frequency	1795

Connections

LAN	-
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	Thunderbolt™ 4 (via USB Type-C)
USB 3.2	4x (2x Type-A Gen 2 (1x with Power-Off USB Charging); 1x Type-C Gen 2, 1x Type-C Gen 2x2)
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
Ethernet (RJ-45)	-
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	-



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Input

Keyboard	Acer FineTip keyboard
Keyboard layout	German (QWERTZ)
Backlit keyboard	Yes (3 Zone RGB)
Touchpad	-

Security

Fingerprint sensor	Yes
Kensington Lock	Yes
Security software	-

Audio and video

Audio	DTS® X: Ultra Audio
Speaker	two built-in stereo speakers
Microphone	three built-in microphones
Webcam	FHD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 76 Wh)
Battery lifetime	Up to 8.5 hours
Power adapter	230W AC power adapter
Battery built in	-

Software

Office	1 month trial for new Microsoft 365 customers. Credit card required
Other software	PredatorSense™

Special features

Special features	FHD webcam, 5th Gen Aeroblade 3D Fan, Liquid Metal, Vector heat pipe, Predator Premium Service, Aluminum A and C Cover
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Warranty

Warranty	2-year mail-in/return service
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Logistics

Quantity per layer	23
Quantity per europallet	69
Quantity per tower	138
Quantity per container	1518
Carton dimensions / weight	543.0 x 316.0 x 70.0 mm (W x D x H) / 3.75 kg

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