



Acer Aspire 16

(A16-51GM-553V)



- Processor: Intel® Core™ 5 processor 120U
- Display: 16" Acer ComfyView™ WUXGA IPS (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 512 GB SSD
- Graphics card: NVIDIA® GeForce® RTX™ 2050
- Operating system: Linux (eShell)





Acer A16-51GM-553V

SPECIFICATIONS



Ordering Information

Series	Acer Aspire 16
Model name	A16-51GM-553V
Part number	NX.KXPEX.008
EAN	4711474138835
Short description	16" Acer ComfyView™ WUXGA IPS (non-glare) / Intel® Core™ 5 processor 120U / 16 GB DDR5 RAM / 512 GB SSD / NVIDIA® GeForce® RTX™ 2050 / Linux (eShell) / Steel Gray

Operating System

Operating System	Linux (eShell)
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Housing

Housing / Color	Steel Gray
Component door	-
Dimensions	360.8 x 248.47 x 20.95 mm (W x D x H)
Weight	1.88 kg
Passively cooled (fanless)	-

Display

Display size	16 inches (40.64 cm)
Display type	Acer ComfyView™ WUXGA IPS Display with LED-Backlight (non-glare)
Display resolution in pixel	1920 x 1200
Aspect ratio	16:10

Processor

Processor	Intel® Core™ 5 processor 120U
Clock frequency	1.4 GHz base clock (Up to 5.0 GHz max. performance clock rate)
Cache	12 MB Intel® Smart Cache
Processing cores / threads	2 Performance-cores + 8 Efficient-cores / 12 Threads
NPU	-

Storage and drives

Memory	16 GB DDR5 RAM
Memory configuration	1 x 8 GB DDR5 RAM (onboard), 1 x 8 GB DDR5 RAM
Maximum RAM	1x Onboard RAM (not replaceable or expandable) + up to 1x 16 GB DDR5 RAM (soDIMM)
Mass storage	512 GB PCIe Gen4 NVMe Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce® RTX™ 2050
Graphics card memory dedicated	4 GB GDDR6 VRAM

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	2x (2x Type-A Gen 1 (1x with Power-Off USB Charging))
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	2x (Type-C)
Ethernet (RJ-45)	Yes
Cardreader	-
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 Keyboard (99-/100-/103-keys)
Keyboard layout	US International/Bulgarian
Backlit keyboard	Ja
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	Yes
Kensington Lock	Yes
Security software	-

Audio and video

Audio	Acer Purified, AI noise reduction compatible with Cortana with Voice, Intel® Bluetooth® LE Audio
Speaker	two built-in stereo speakers
Microphone	dual built-in microphones
Webcam	FHD Webcam

Battery and power adapter

Battery	Li-Ion battery (3 cells / 48,5 Wh)
Battery lifetime	Up to 6 hours (based on MobileMark® 2025 test results)
Power adapter	100W AC power adapter
Battery built in	-

Software

Other software	AcerSense™
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Certificate

EnergyStar®	Yes
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Special features

Special features	FHD Webcam, 30% recycled plastic in D-Cover, A-Cover made of aluminum, Thunderbolt™ 4
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Warranty

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

Quantity per layer	26
Quantity per europallet	78
Quantity per tower	156
Quantity per container	1716
Carton dimensions / weight	498.0 x 310.0 x 65.0 mm (W x D x H) / 2.92 kg

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