



# Acer Aspire E E5-576G-52GR Intel® Core™ i5 i5-8250U Laptop 39.6 cm (15.6") Full HD 8 GB DDR3L-SDRAM 1 TB HDD NVIDIA® GeForce® MX150 Windows 10 Home Black



**Brand :** Acer

**Product family:** Aspire

**Product code:** NX.GSBSG.002

**Product name :** E5-576G-52GR

Intel Core i5-8250U (6M Cache, 1.6 GHz), 15.6" (1920 x 1080) LED, 8GB DDR3L, 1TB HDD, NVIDIA GeForce MX150, Gigabit Ethernet, WLAN 802.11ac, Bluetooth, Webcam, Windows 10 64-bit Acer Aspire E E5-576G-52GR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-8250U, Processor frequency: 1.6 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. Operating system installed: Windows 10 Home. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Product colour *	Black	Ethernet LAN (RJ-45) ports quantity	1
Form factor *	Clamshell	HDMI ports quantity *	1
Display		DVI port	✗
Display diagonal *	39.6 cm (15.6")	VGA (D-Sub) ports quantity	1
Display resolution *	1920 x 1080 pixels	Combo headphone/mic port	✓
Touch screen *	✗	Docking connector	✗
HD type	Full HD	Charging port type	DC-in jack
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Processor		Numeric keypad *	✓
Processor manufacturer *	Intel	Windows keys	✓
Processor family *	Intel® Core™ i5	Software	
Processor generation	8th gen Intel® Core™ i5	Operating system architecture	64-bit
Processor *	i5-8250U	Operating system installed *	Windows 10 Home
Processor number of cores	4	Processor special features	
Processor threads	8	Intel My WiFi Technology	✓
Processor boost frequency	3.4 GHz	Intel® Smart Response Technology	✓
Processor frequency *	1.6 GHz	Intel Identity Protection Technology	✓
System bus data transfer rate	4 GT/s	Intel Hyper-Threading Technology	✓
Processor cache	6 MB	Intel Turbo Boost Technology	2.0
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Processor socket	BGA 1356	Intel Clear Video HD Technology	✓
Processor lithography	14 nm	Intel Clear Video Technology	✓
Processor operating modes	64-bit	Intel® InTru™ 3D Technology	✓
Processor codename	Kaby Lake R	Intel® Quick Sync Video Technology	✓
Bus type	OPI	Intel Flex Memory Access	✓
Stepping	Y0	Intel AES New Instructions	✓
Thermal Design Power (TDP)	15 W	Intel Trusted Execution Technology	✗
Configurable TDP-up frequency	1.8 GHz	Intel Enhanced Halt State	✓
Configurable TDP-up	25 W	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down	10 W	Intel® Secure Key	✓
Configurable TDP-down frequency	0.8 GHz	Intel TSX-NI	✗
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		

Processor		Processor special features	
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel® OS Guard	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel Clear Video Technology for MID	✓
Internal memory *	8 GB	Intel 64	✓
Internal memory type	DDR3L-SDRAM	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	Idle States	✓
Maximum internal memory *	16 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	42 x 24 mm
Total storage capacity *	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	HDD	Processor code	SR3LA
Number of hard drives installed	1	CPU configuration (max)	1
Hard drive capacity	1 TB	Embedded options available	✗
Hard drive interface	SATA	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Hard drive rotational speed	5400 RPM	Intel Identity Protection Technology version	1.00
Optical drive type *	DVD±RW	Intel Smart Response Technology version	1.00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	0.00
Compatible memory cards	SD	Intel Secure Key Technology version	1.00
Graphics		Intel TSX-NI version	0.00
Discrete graphics card model *	NVIDIA® GeForce® MX150	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Processor ARK ID	124967
Discrete graphics memory type	GDDR5	Conflict-Free processor	✓
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card model *	Intel® UHD Graphics 620	Number of battery cells	4
On-board graphics card base frequency	300 MHz	Battery performance	2800 mAh
On-board graphics card dynamic frequency (max)	1100 MHz	Energy Management	
Maximum on-board graphics card memory	32 GB	AC adapter power	65 W
On-board graphics card DirectX version	12.0	AC adapter frequency	50 - 60 Hz
On-board graphics card OpenGL version	4.4	Weight & Dimensions	
On-board graphics card ID	0x5917	Width	381.6 mm
Audio		Depth	259 mm
Number of built-in speakers	2	Height	30.2 mm
Built-in microphone	✓	Height (front)	2.39 cm
Camera		Height (rear)	3.02 cm
Front camera	✓	Weight *	2.23 kg
Front camera resolution	1280 x 720 pixels	Packaging Content	
Network		Manual	✓
Wi-Fi	✓	Power cord included	✓
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Other features	
Ethernet LAN connection	✓	AC adapter bundled	✓
Bluetooth	✓	3D compatibility	✗
Ports & interfaces			
USB 2.0 ports quantity *	1		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		

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