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Nitro N50-610 (Win10) Specifications (v10-0-1)

Category	Description	Footnotes
Operating system	Windows 10 Pro 64-bit. (Acer recommends Windows 10 Pro for business.) Windows 10 Home 64-bit. Endless OS No OS	
CPU and chipset	**CPU** • 10th Generation **Intel® Core™ i7** processor, Intel® UHD Graphics 630 • 10th Generation **Intel® Core™ i5** processor, Intel® UHD Graphics 630 • 10th Generation **Intel® Core™ i3** processor, Intel® UHD Graphics 630 • 10th Generation **Intel® Core™ i7** processor • 10th Generation **Intel® Core™ i5** processor **Chipset** • Intel® H470 Express Chipset	
Memory	16 GB DDR4 2666 MHz UDIMM 8 GB DDR4 2666 MHz UDIMM 4 GB DDR4 2666 MHz UDIMM Up to 64 GB of Dual-channel DDR4 2666 MHz	
Storage	**Hard disk drive** 3 TB 3.5-inch 5400 RPM 2 TB 3.5-inch 7200 RPM 1 TB 3.5-inch 7200 RPM 1024 GB M.2 2280 PCI-e SSD 512 GB M.2 2280 PCI-E SSD 256 GB M.2 2280 PCI-E SSD 128 GB M.2 2280 PCI-e SSD	
Graphics	**NVIDIA® GeForce® RTX 2060 SUPER™** with 8 GB of GDDR6 (supporting: HDMI®, 3x DisplayPort™, DVI-D) **NVIDIA® GeForce® GTX 1660 SUPER™** with 6 GB of GDDR6 (supporting: HDMI®, DisplayPort™, DVI-D) **NVIDIA® GeForce RTX™ 2060** with 6 GB of GDDR6 (supporting: HDMI®, 3x DisplayPort™, DVI-D) **NVIDIA® GeForce® GTX 1650** with 4 GB of GDDR5 (supporting: HDMI®, DVI-D)	
Audio	DTS:X® Ultra	
Communication	**WLAN** 802.11ax/ac/a/b/g/n, Wi-Fi 6 and Bluetooth® 5.1 802.11ac/a/b/g/n wireless LAN and Bluetooth® 5.0	

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	802.11ac/a/b/g/n, aggregate bandwidth up to 1.73 Gbps	
	Bluetooth® 5.0	
	LAN	
	Realtek® 8118AS Dragon Gigabit Ethernet	
Input and output	**Front/Side I/O connectors** • Card reader: N • Audio jack(s): 2 • USB 3.2 Gen2 Type A port(s): 1 • USB 3.2 Gen2 Type C port(s): 1 **Rear I/O connectors** • LAN port(s): 1 • Audio jack(s): 3 • USB 2.0 Type A port(s): 2 • USB 3.2 Gen1 Type A port(s): 4	
Expansion slot(s)	• Number of PCIe x16 slot(s): 1 • M.2 slot (for SSD): 1 • M.2 slot (for WLAN): 1	
Windows Desktop Apps	**Content** App Explorer (Q3 2019) Hao123_Favorite (Q3 2019) Movie and Audio Studio (Q3 2019) Netflix (Q3 2019) Sohu Video (Q3 2019) **Games** Hearts Deluxe (Q3 2019) Simple FreeCell (Q3 2019) Simple Mahjong (Q3 2019) Simple Solitaire (Q3 2019) Spades (Q3 2019) **In-House** Acer Care Center (DT UWP) • Acer Collection Acer Configuration Manager (Q3 2019) • Acer Power Management Acer Product Registration (DT W10 RS3 UWP) Acer User Experience Program Framework(DT UWP) Quick Access (DT W10 RS3 UWP) **Lifestyle** Agoda Favorite (Q3 2019) Agoda Weblink (Q3 2019) Booking.com Favorite (Q3 2019) Booking.com Weblink (Q3 2019) Hao123 Weblink (Q3 2019) **Others**	

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	PhotoDirector8 LE (Win10 RS Consumer)	
	PowerDirector14 LE (Win10 RS Consumer)	
	• PowerDVD	
	WPS Office Presentation trial	
	• WPS Office Spreadsheets trial	
	• WPS Office Writer UWP trial	
	Productivity	
	Dropbox Promotion (Q3 2019)	
	Evernote (Q3 2019)	
	LinkedIn (DT W10)	
	Microsoft Office (DT)	
	Microsoft Office Installer (DT)	
	Search	
	Baidu Favorite (Q3 2019)	
	Baidu Weblink (Q3 2019)	
	Firefox (Q3 2019)	
	NitroSense (Desktop)	
	QQ Browser (Q3 2019)	
	Yandex Browser (Q3 2019)	
	Yandex Favorite (Q3 2019)	
	Yandex Weblink (Q3 2019)	
	Security	
	GOTrust (Q3 2019)	
	Norton Internet Security^{TM} (Q3 2019)	
	PC Manager (Q3 2019)	
	Shopping	
	Amazon Weblink (Q3 2019)	
	AMZ Favorite (Q3 2019)	
Dimensions	175 (W) x 386 (D) x 392 (H) mm (6.89 x 15.2 x 15.43 inches)	
Power supply and adapter	**Power supply** 500 W single-rail 12 V PFC (EuP), auto-sensing, 80PLUS Gold 300 W single-rail 12 V PFC (EuP), auto-sensing, 80PLUS Bronze	
System compliance	ENERGY STAR$^{®}$ RoHS	
Options and accessories	Wireless (2.4 GHz RF) keyboard and mouse USB keyboard and mouse Wireless charging (Max. output power: 10 W)	
Certification	BSMI VCCI CCC CE FCC CB	
Acer recommends Windows 10 Pro.		

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As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.

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