Brand
  ACER

Model
  Nitro NH.Q59EM.021

Family
  Nitro

Series
  5

Product type
  Notebook

Form factor
  Clamshell

Market positioning
  Gaming

Product colour
  Black

DISPLAY

Display diagonal
  15.6"

Display resolution
  1920 x 1080 pixels

Touchscreen
  NO

HD type
  Full HD

Aspect ratio
  16/9

LED backlight
  YES

Panel type
  IPS

Display bezel technology
  ComfyView

Dual-screen
  NO

CPU

Processor frequency
  2.6 GHz

Processor family
  9th gen Intel® Core™ i7

Processor model
  i7-9750H

Processor cores
  6

Processor threads
  12

System bus rate
  8 GT/s

Processor cache
  12 MB

Processor cache type
  Smart Cache

Processor lithography
  14 nm

Processor operating modes
64-bit

Thermal Design Power (TDP)
45 W

Tjunction
100 °C

PCI Express slots version
3.0

Processor boost frequency
4.5 GHz

Configurable TDP-down
35 W

MEMORY

Internal memory
16 GB

Internal memory type
DDR4-SDRAM

STORAGE

Total storage capacity
1256 GB

Storage media
HDD+SSD

Card reader integrated
NO

Number of SSDs installed
1

SSD capacity
256 GB

GRAPHIC ADAPTER

On-board graphics adapter
YES

Discrete graphics adapter
YES

On-board graphics adapter model
Intel® UHD Graphics 630

Discrete graphics adapter model
NVIDIA GeForce GTX 1650

Discrete graphics adapter memory
4 GB

On-board graphics adapter family
Intel® UHD Graphics

Discrete graphics memory type
GDDR5

AUDIO

Built-in microphone
YES

Number of built-in speakers
2

CAMERA

Front camera
YES

PORTS & CONNECTIVITY

USB 2.0 ports quantity
  1

HDMI ports quantity
  1

Ethernet LAN (RJ-45) ports
  1

NETWORKING

Bluetooth
  YES

3G
  NO

4G
  NO

Wi-Fi
  YES

Wi-Fi standards
  802.11a,802.11b,802.11g,Wi-Fi 4 (802.11n),Wi-Fi 5 (802.11ac)

Ethernet LAN
  YES

Ethernet LAN data rates
  10,100,1000 Mbit/s

Top Wi-Fi standard
  Wi-Fi 5 (802.11ac)

Antenna type
  2x2

OPTICAL DRIVE

Optical drive type
  NO

KEYBOARD & MOUSE

Pointing device
  Touchpad

Windows keys
  YES

Keyboard backlit
  YES

Keyboard backlit colour
  Red

TECHNOLOGY

BATTERY & POWER

Battery technology
  Lithium Polymer (LiPo)

Number of battery cells
  4

Battery capacity
  3580 mAh

AC adapter power
  135 W

AC adapter included
  YES

Battery life (max)

8 h

AC adapters quantity	
1	

DIMENSIONS

Weight	
2.5 kg	

Width	
363.4 mm	

Depth	
255 mm	

Height	
25.9 mm	

OPERATING SYSTEM & SOFTWARE

Operating system installed	
Windows 10 Home	

Operating system architecture	
64-bit	

OTHER FEATURES