tehnot≡ka

Uputstvo za upotrebu (EN)

DELL laptop Vostro 3400 (NOT21599)



Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

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https://tehnoteka.rs/p/dell-laptop-vostro-3400-not21599-akcija-cena/

Vostro 3400

Setup and specifications guide



Notes, cautions, and warnings

(i) NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

MARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Set up your computer

Steps

- 1. Connect the power adapter and press the power button.
 - i NOTE: To conserve battery power, the battery might enter power saving mode.



2. Finish Windows system setup.

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:

- Connect to a network for Windows updates.
 - NOTE: If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.
- 3. Locate and use Dell apps from the Windows Start menu—Recommended

Table 1. Locate Dell apps

Dell apps	Details
	Dell Product Registration
	Register your computer with Dell.
	Register your computer with Deli.
	Dell Help & Support
	Access help and support for your computer.

Table 1. Locate Dell apps (continued)

Dell apps	Details
	SupportAssist
	Proactively checks the health of your computer's hardware
	and software.
	NOTE: Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.
40	Dell Update
	Updates your computer with critical fixes and important device drivers as they become available.
	Dell Digital Delivery
	Download software applications including software that is purchased but not preinstalled on your computer.

4. Create recovery drive for Windows.

NOTE: It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see Create a USB recovery drive for Windows.

Create a USB recovery drive for Windows

Create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.

Prerequisites

- i NOTE: This process may take up to an hour to complete.
- NOTE: The following steps may vary depending on the version of Windows installed. Refer to the Microsoft support site for latest instructions.

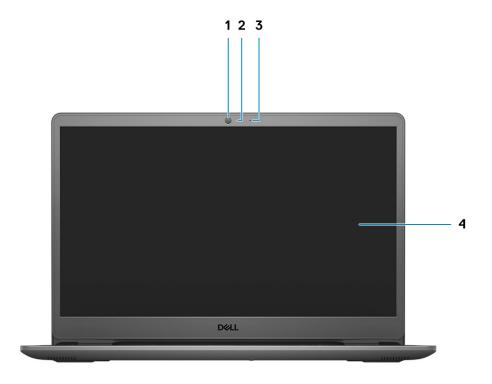
Steps

- 1. Connect the USB flash drive to your computer.
- 2. In Windows search, type **Recovery**.
- 3. In the search results, click **Create a recovery drive**.
 - The **User Account Control** window is displayed.
- 4. Click Yes to continue.
 - The **Recovery Drive** window is displayed.
- 5. Select Back up system files to the recovery drive and click Next.
- 6. Select the USB flash drive and click Next.
 - A message appears, indicating that all data in the USB flash drive will be deleted.
- 7. Click Create.
- 8. Click Finish.

For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at www.dell.com/support/manuals.

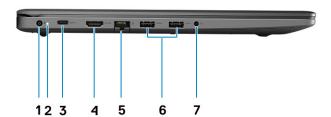
Chassis overview

Display view



- 1. Camera
- 2. Camera Status Light
- 3. Microphone
- 4. LCD Panel

Left view



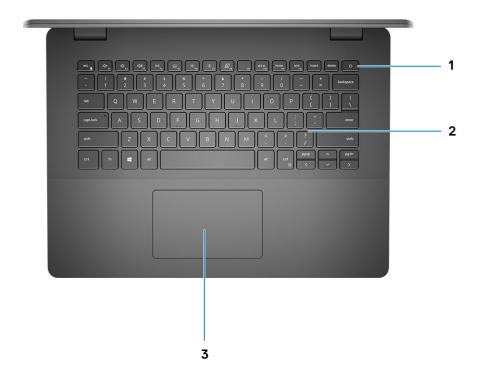
- 1. DC-in port
- 2. Power LED
- 3. USB 3.2 Gen 1 Type-C (optional)
- **4.** HDMI 1.4 port
 - NOTE: The maximum resolution supported by HDMI port is 1920x1080 @60Hz (24 bit)
- 5. Network Port
- 6. USB 3.2 Gen 1 Type-A
- 7. Universal audio jack (Realtek audio) / Audio jack (Cirrus logic audio)

Right view



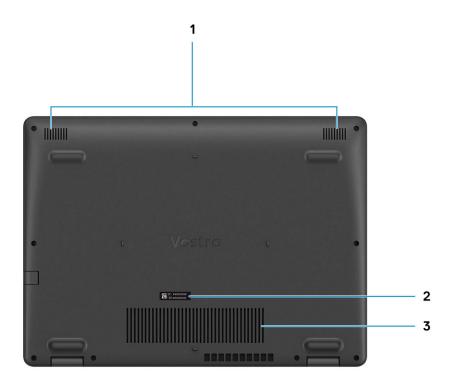
- 1. SD 3.0 card reader slot
- 2. USB 2.0 Type-A port
- 3. Wedge-shaped security slot

Palmrest view



- 1. Power button with optional finger print reader
- 2. Keyboard
- 3. Touchpad

Bottom view



- 1. Speakers
- 2. Service Tag
- 3. Air Vents

Keyboard shortcuts

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys that are used for shortcuts remain the same across all language configurations.

Table 2. List of keyboard shortcuts

Keys	Primary behavior
Fn + F1	Mute audio
Fn + F2	Decrease volume
Fn + F3	Increase volume
Fn + F4	Play/Pause
Fn + F5	Turn on/off keyboard backlight
Fn + F6	Decrease brightness

Table 2. List of keyboard shortcuts (continued)

Keys	Primary behavior
Fn + F7	Increase brightness
Fn + F8	Switch to external display
Fn + F10	Print screen
Fn + F11	Home
Fn + 12	End
Fn + Ctrl	Open application menu

Technical specifications

NOTE: Offerings may vary by region. The following specifications are only those required by law to ship with your computer. For more information about the configuration of your computer, go to Help and Support in your Windows operating system and select the option to view information about your computer.

Specifications of Vostro 3400

Processors

Table 3. Processors

Descriptio n	Values	Values	Values	Values	Values
Processors	11th Generation Intel Core i3-1115G4	11th Generation Intel Core i5-1135G7	11th Generation Intel Core i7-1165G7	11th Generation Intel Pentium 7505	11th Generation Intel Celeron 6305
Wattage	15 W	15 W	15 W	15 W	15 W
Core count	2	4	4	2	2
Thread count	4	8	8	4	2
Speed	3.0 GHz to 4.1 GHz	2.4 GHz to 4.2 GHz	2.8 GHz to 4.7 GHz	2.0 GHz to 3.5 GHz	Up to 1.8 GHz
Cache	6 MB	8 MB	12 MB	4 MB	4 MB
Integrated graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel UHD Graphics	Intel UHD Graphics

Chipset

Table 4. Chipset

Description	Values	
Processor	Intel Core i3 / i5 / i7 / Celeron / Pentium	
Chipset	Intel Tiger Lake (Integrated in the processor)	
DRAM bus width	64-bit	
PCle bus	Gen 3	

Operating system

Your Vostro 3400 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 11 Home National Academic, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit

Memory

Table 5. Memory specifications

Description	Values	
Slots	Two SODIMM slots	
Туре	DDR4	
Speed	 2666 MHz 3200 MHz NOTE: Only systems configured with a discrete graphics card will support 3200 Mhz memory. 	
Maximum memory	16 GB	
Minimum memory	4 GB	
Configurations supported	 4 GB DDR4 at 2666 MHz / 3200 Mhz (1x4 GB) 8 GB DDR4 at 2666 MHz / 3200 Mhz (2 x 4 GB) 8 GB DDR4 at 2666 MHz / 3200 Mhz (1 x 8 GB) 12 GB DDR4 at 2666 MHz / 3200 Mhz (1 x 8 GB + 1 x 4 GB) 16 GB DDR4 at 2666 MHz / 3200 Mhz (1 x 16 GB) 16 GB DDR4 at 2666 MHz / 3200 Mhz (2 x 8 GB) 	

Storage

Your computer supports one of the following configurations:

- 2.5 in. 5400 RPM, SATA hard drive
- M.2 2230/2280 for solid-state drive

The primary drive of your computer varies with the storage configuration. For computers:

- 2.5 in. 5400 RPM, SATA hard drive
- M.2 2230/2280 for solid-state drive

Table 6. Storage specifications

Form factor	Interface type	Capacity
2.5 in. 5400 rpm, hard drive	SATA	upto 2 TB
M.2 2230 solid-state drive	PCIe NVMe 3x4	upto 512 GB
M.2 2280 solid-state drive	PCIe NVMe 3x4	upto 1 TB

Ports and connectors

Table 7. External ports and connectors

Description	Values	
External:		
Network	One Flip-down RJ 45 10/100/1000 Mbps	
USB	 Two USB 3.2 Gen 1 Type-A port One USB 2.0 Type-A port One USB 3.2 Gen 1 Type-C port (optional) 	
Audio	 One Universal audio port (Computers with Realtek audio configuration) One Audio jack (Computers with Cirrus logic audio configuration) 	
Video	One HDMI 1.4 port (i) NOTE: The maximum resolution supported by HDMI port is 1920x1080 @60Hz (24 bit)	
Power adapter port	4.5 mm barrel-type	
Security	One Wedge shaped lock slot	
Card slot	One SD 3.0 card slot	

Table 8. Internal ports and connectors

Description	Values
Internal:	
One M.2 Key-M (2280 or 2230) for solid-state drive One M.2 2230 Key-E for WLAN	 One M.2 2230 slot for Wi-Fi One M.2 slot for 2230/2280 solid-state drive i) NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.
SIM card	Not Supported

Audio

Table 9. Audio specifications

Description	Values	
Controller	Realtek ALC3204	Cirrus CS8409 (CS42L42 + TI SN005825)
Stereo conversion	Supported	Supported
Internal interface	High definition audio	HDA bridge + CS42L42 audio codec
External interface	Universal Audio Jack	Headset jack i NOTE: 3.5mm headset jack functionality varies by model

Table 9. Audio specifications (continued)

Description	Values	
		configuration. For best results, use Dell recommended audio accessories
Speakers	Two	Two
Internal-speaker amplifier	Supported	Supported
External volume controls	Keyboard shortcut controls	Keyboard shortcut controls
Speaker Output Average	2 W	2 W
Speaker Output Peak	2.5 W	2.5 W
Subwoofer output	Not supported	Not supported
Microphone	Single digital microphone	Single digital microphone

Video

Table 10. Integrated Graphics Specifications

Integrated graphics	Integrated graphics			
Controller	External display support	Memory size	Processor	
Intel UHD Graphics	One HDMI 1.4 (i) NOTE: The maximum resolution supported by HDMI port is 1920x1080 (a) 60Hz (24 bit)	Shared system memory	 Intel 11th Generation Core i3 processors Intel 11th Generation Celeron processors Intel 11th Generation Pentium processors 	
Intel Iris Xe Graphics	One HDMI 1.4 i NOTE: The maximum resolution supported by HDMI port is 1920x1080 @60Hz (24 bit)	Shared system memory	• Intel 11th Generation Core i5 / i7 processors	

Table 11. Discrete Graphics Specifications

Discrete graphics			
Controller External display support Memory s		Memory size	Memory Type
Nvidia GeForce MX330 Graphics	Not Supported	2 GB	GDDR5

Camera

Table 12. Camera specifications

Standard Webcam			
Description		Values	
Number of cameras		One	
Туре		HD RGB camera	
Location		Front Camera	
Sensor typ	е	CMOS sensor technology	
Resolution	:		
	Still image	0.92 megapixel	
	Video	HD (720p @ 30 fps)	
Diagonal viewing angle		78.6 degrees	

Touchpad

The following table lists the touchpad specifications of your Vostro 3400.

Table 13. Touchpad specifications

Description		Values	
Touchpad resolution:			
Horizor	ntal	Synaptics: 1230Lite-on: 1920	
Vertical	I	Synaptics: 750Lite-on: 1080	
Touchpad dimensions	s:		
Horizor	ntal	105 mm (4.13 in.)	
Vertical	I	65 mm (2.55 in.)	
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article 4027871 at support.microsoft.com.	

Communications

Ethernet

Table 14. Ethernet specifications

Description	Values
Model number	Integrated Realtek RTL8111H

Table 14. Ethernet specifications (continued)

Description	Values
Transfer rate	e.g. 10/100/1000 Mbps

Wireless module

Table 15. Wireless module specifications

Description	Values		
Model number	Intel 9462	Qualcomm QCA9377 (DW1810)	Realtek RTL8723DE
Transfer rate	Up to 433 Mbps	Up to 433 Mbps	Up to 150 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz
Wireless standards	WiFi 802.11a/b/gWi-Fi 4 (Wi-Fi 802.11n)Wi-Fi 5 (Wi-Fi 802.11ac)	WiFi 802.11a/b/gWi-Fi 4 (Wi-Fi 802.11n)Wi-Fi 5 (Wi-Fi 802.11ac)	Wi-Fi 802.11 b/gWi-Fi 4 (WiFi 802.11n)
Encryption	64-bit/128-bit WEPAES-CCMPTKIP	64-bit/128-bit WEP AES-CCMP TKIP	64-bit/128-bit WEPAES-CCMPTKIP
Bluetooth	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 5.0

Media-card reader

Table 16. Media-card reader specifications

Description	Values
Туре	One SD 3.0 card
Cards supported	 Secure Digital (SD) Secure Digital High Capacity (SDHC) Secure Digital Extended Capacity (SDXC)

Power adapter

Table 17. Power adapter specifications

Description	Values	Values
Туре	45 W	65 W
Connector dimensions:	4.5 mm x 2.9 mm	4.5 mm x 2.9 mm
Input voltage	100 VAC x 240 VAC	100 VAC x 240 VAC
Input frequency	50 Hz x 60 Hz	50 Hz x 60 Hz
Input current (maximum)	1.30 A	1.60 A / 1.70 A
Output current (continuous)	2.31 A	3.34 A

Table 17. Power adapter specifications (continued)

Desc	ription	Values	Values
Rated output voltage		19.50 VDC	19.50 VDC
Temperature range:			
	Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
	Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

Battery

Table 18. Battery specifications

Description		Values
Туре		42 WHr Polymer battery
Voltage		11.40 VDC
Weight (maximum)		0.2 kg (0.44 lb)
Dimensions:		·
	Height	184.15 mm (7.25 in.)
	Width	89.15 mm (3.82 in.)
	Depth	5.90 mm (0.23 in.)
Temperatur	e range:	
	Operating	0°C to 35°C (32°F to 95°F)
	Storage	-40°C to 65°C (-40°F to 149°F)
Operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Charging time (approximate)		3 hours (when the computer is off) NOTE: Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer and then restart your computer to reduce the power consumption. Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, Me and My Dell on www.dell.com/
Coin-cell battery		CR2032
Operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

Keyboard

Table 19. Keyboard specifications

Description	Values
Туре	Standard keyboardWhite backlight keyboard
Layout	QWERTY
Number of keys	United States and Canada: 81 keysUnited Kingdom: 82 keysJapan: 85 keys
Size	X=18.70 mm key pitch Y=18.05 mm key pitch
Shortcut keys	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key. (i) NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.

Dimensions and weight

Table 20. Dimensions and weight

Description Values	
Height:	
Front	18.10 mm (0.71 in.)
Rear	19.90 mm (0.78 in.)
Width	328.70 mm (12.94 in.)
Depth	239.50 mm (9.42 in.)
Weight	1.64 kg (3.61 lb) (i) NOTE: The weight of your notebook depends on the configuration ordered and the manufacturing variability.

Display

Table 21. Display specifications

Decsription		Values	
Туре	High Definition (HD)	Full High Definition (FHD)	
Panel technology	TN	WVA (wide view angle)	
Luminance (typical)	220 nits	220 nits	

Table 21. Display specifications (continued)

Decsription	Values	
Dimensions (active area):		
Height	173.99 mm (6.85 in.)	173.99 mm (6.85 in.)
Width	309.35 mm (12.17 in.)	309.35 mm (12.17 in.)
Diagonal	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)
Native resolution	1366 x 768	1920 x 1080
Megapixels	1.049	2.0736
Color gamut	NTSC 45% Typ.	NTSC 45% Typ.
Pixels per inch (PPI)	112	157
Contrast ratio (min)	400:1	500:1
Response time (max)	16 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	40 degrees	80 degrees
Vertical view angle	Top/Bottom 10/30 degrees	80 degrees
Pixel pitch	0.2265 mm x 0.2265 mm	0.161 mm x 0.161 mm
Power consumption (maximum)	3.2 W	3.5 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare
Touch options	No	No

Fingerprint reader

Table 22. Fingerprint reader specifications

Description	Values
Sensor technology	Capacitive
Sensor resolution	500 dpi
Sensor area	4.06 mm x 3.25 mm
Sensor pixel size	80 x 64

Security

Table 23. Security specifications

Features	Specifications
Trusted Platform Module (TPM) 2.0	Integrated on system board
Fingerprint reader	Optional

Table 23. Security specifications (continued)

Features	Specifications
Wedge-shaped lock slot	Standard

Security Software

Table 24. Security Software specifications

Specifications

Dell Client Command Suite

Optional Dell Data Security and Management Software

Dell Client Command Suite

Dell BIOS Verification

Optional Dell Endpoint Security and Management Software

VMware Carbon Black Endpoint Standard

VMware Carbon Black Endpoint Standard + Secureworks Threat Detection and Response

Dell Encryption Enterprise

Dell Encryption Personal

Carbonite

VMware Workspace ONE

Absolute® Endpoint Visibility and Control

Netskope

Dell Supply Chain Defense

Computer environment

Airborne contaminant level: G1 as defined by ISA-S71.04-1985

Table 25. Computer environment

Description	Operating	Storage
Temperature range	0°C to 40°C (32°F to 104°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	140 G†	160 G†
Altitude (maximum)	0 m to 3048 m (0 ft to 10000 ft)	0 m to 10668 m (0 ft to 35000 ft)

 $^{^{}st}$ Measured using a random vibration spectrum that simulates user environment.

Support policy

For more information on support policy, see the knowledge base articles PNP181418, PNP43920 and PNP179097.

[†] Measured using a 2 ms half-sine pulse when the hard drive is in use.

Software

This chapter details the supported operating systems along with instructions on how to install the drivers.

Downloading Windows drivers

Steps

- 1. Turn on the .
- 2. Go to Dell.com/support.
- 3. Click Product Support, enter the Service Tag of your, and then click Submit.
 - i) NOTE: If you do not have the Service Tag, use the auto detect feature or manually browse for your model.
- 4. Click Drivers and Downloads.
- 5. Select the operating system installed on your .
- 6. Scroll down the page and select the driver to install.
- 7. Click ${\bf Download\ File}$ to download the driver for your .
- 8. After the download is complete, navigate to the folder where you saved the driver file.
- 9. Double-click the driver file icon and follow the instructions on the screen.

System setup

CAUTION: Unless you are an expert computer user, do not change the settings in the BIOS Setup program.

Certain changes can make your computer work incorrectly.

NOTE: Before you change BIOS Setup program, it is recommended that you write down the BIOS Setup program screen information for future reference.

Use the BIOS Setup program for the following purposes:

- Get information about the hardware installed in your computer, such as the amount of RAM and the size of the hard drive.
- Change the system configuration information.
- Set or change a user-selectable option, such as the user password, type of hard drive installed, and enabling or disabling base devices.

Boot menu

Press <F12> when the Dell logo appears to initiate a one-time boot menu with a list of the valid boot devices for the system. Diagnostics and BIOS Setup options are also included in this menu. The devices listed on the boot menu depend on the bootable devices in the system. This menu is useful when you are attempting to boot to a particular device or to bring up the diagnostics for the system. Using the boot menu does not make any changes to the boot order stored in the BIOS.

The options are:

- UEFI Boot Devices:
 - Windows Boot Manager
 - UEFI Hard Drive
 - Onboard NIC (IPV4)
 - Onboard NIC (IPV6)
- Pre-Boot Tasks:
 - o BIOS Setup
 - DiagnosticsBIOS Update
 - SupportAssist OS Recovery
 - BIOS Flash Update Remote
 - Device Configuration

Navigation keys

NOTE: For most of the System Setup options, changes that you make are recorded but do not take effect until you restart the system.

Keys	Navigation	
Up arrow	Moves to the previous field.	
Down arrow	Moves to the next field.	
Enter	Selects a value in the selected field (if applicable) or follow the link in the field.	
Spacebar	Expands or collapses a drop-down list, if applicable.	
Tab	Moves to the next focus area.	
Esc	Moves to the previous page until you view the main screen. Pressing Esc in the main screen displays a message that prompts you to save any unsaved changes and restarts the system.	

Boot Sequence

Boot sequence enables you to bypass the System Setup-defined boot device order and boot directly to a specific device (for example: optical drive or hard drive). During the Power-on Self-Test (POST), when the Dell logo appears, you can:

- Access System Setup by pressing F2 key
- Bring up the one-time boot menu by pressing F12 key.

The one-time boot menu displays the devices that you can boot from including the diagnostic option. The boot menu options are:

- Removable Drive (if available)
- STXXXX Drive
 - i NOTE: XXXX denotes the SATA drive number.
- Optical Drive (if available)
- SATA Hard Drive (if available)
- Diagnostics
 - (i) NOTE: Choosing Diagnostics, displays the SupportAssist diagnostics screen.

The boot sequence screen also displays the option to access the System Setup screen.

BIOS setup

i NOTE: Depending on the and its installed devices, the items listed in this section may or may not appear.

Overview

Table 26. Overview

Option	Description
System Information	This section lists the primary hardware features of your computer.
	The options are:
	System Information BIOS version Service Tag Asset Tag Manufacture Date Ownership Date Express Service Code Ownership Tag Signed Firmware Update Battery Primary Battery Level Battery State Health AC Adapter Processor Information Processor Type Maximum Clock Speed Current Clock Speed Core Count

Table 26. Overview

Option	Description	
	Processor ID	
	o Processor L2 Cache	
	o Processor L3 Cache	
	Microcode Version	
	 Intel Hyper-Threading Capable 	
	o 64-Bit Technology	
	Memory Configuration	
	Memory Installed	
	Memory Available	
	Memory Speed	
	Memory Channel Mode	
	Memory Technology	
	DIMM_Slot 1	
	o DIMM_Slot 2	
	Device Information	
	o Panel Type	
	Video Controller	
	Video Memory	
	○ Wi-Fi Device	
	Native Resolution	
	Video BIOS Version	
	Audio Controller	
	Bluetooth Device	
	LOM MAC Address	
	o dGPU Video Controller	

Boot Options

Table 27. Boot Options

Option	Description
Enable Boot Devices	UEFI Hard Drive - Allows the user to select Enable boot devices detected by the system.
	 Windows Boot Manager UEFI Hard Drive
	NOTE: Legacy Boot mode is not supported on this platform.
Add / Remove / View Boot Devices	Allows the user to add or remove boot devices listed above. The controls available are as follows: Add Boot Options Remove Boot Options View
UEFI Boot Path Security	Allows the user to control if the system should ask for admin password. The controls available are as follows: Never Always Always Except Internal HDD

System configuration

Table 28. System configuration

Option	Description
Date/Time	The options are: • Date • Time (i) NOTE: Legacy Boot mode is not supported on this platform.
Network Controller Configurator	Integrated NIC: 1. Disabled 2. Enabled 3. Enabled with PXE Enable UEFI Network Stack: 1. On 2. Off
Storage Interface	Port Enablement - Allows the user to enable/disable onboard drives. The user can toggle on/off for the following drives: SATA-0 M.2 PCIe SSD-0/SATA-2
SATA Operation	Allows the user to set the SATA operation mode for the storage devices available. The options available are as follows: • Disabled • AHCI • RAID On
Drive Information	This section displays the driver configuration and specification for all storage devices available.
Enable Audio	Allows the user to enable internal audio devices. The options available are as follows: • Enable Microphone • Enable Internal Speaker
USB Configuration	Allows the user to enable USB Boot devices. The options available are as follows: • Enable USB Boot Support • Enable External USB Ports
Miscellaneous Devices	Allows the user to enable internal Camera. The options available are as follows: • Enable Camera
Keyboard Illumination	Allows the user to configure the keyboard brightness levels. The options available are as follows: • Disabled • Dim • Bright

Video

Table 29. Video

Option	Description
LCD Brightness	Set the screen brightness when running on battery power. • 0 - 100
Brightness on AC power	Set the screen brightness when running on AC power. • 0 - 100
EcoPower	Enable EcoPower - Enable to increase battery life and reduce the display brightness when appropriate.
	The options are: On Off

Security

Table 30. Security

Option	Description
Enable Admin Setup Lockout	Allows the admin to allow/block users from accessing the BIOS menu On Off NOTE: Deleting the admin password deletes the system password (if set). The admin password can also be used to delete hard drive password. For this reason, you cannot set an admin password if a system password or hard drive password is set. Hence, an admin password has to be set first if the admin password has to be used with system password and/or hard drive password.
Password Bypass	Allows the user to control if the systems prompts for the system and hard drive passwords when powered on from off state: • Disabled • Reboot Bypass
Enable Non-Admin Password Changes	When enabled, the user can change system and hard drive password without admin password. On Off
Enable UEFI Capsule Firmware Updates	Allows the user to configure BIOS updates via UEFI capsule update packages On Off
Absolute	Allows the user to enable, disable or permanently disable the BIOS module interface of the optional Absolute Persistence Module service. The controls are as follows: • Enabled • Disabled • Permanently Disabled
TPM 2.0 Security On	Allows the user to enable or disable TPM security. The controls are as follows: On Off

Table 30. Security (continued)

Option	Description
PPI Bypass for Enable Commands	Allows the user to enable or disable TPM Physical Presence Interface (PPI). The controls are as follows: On Off
PPI Bypass for Disabled Commands	Allows the user to enable or disable TPM Physical Presence Interface (PPI). The controls are as follows: On Off
PPI Bypass for Clear Commands	Allows the user to enable or disable TPM Physical Presence Interface (PPI). The controls are as follows: On Off
Attestation Enable	Allows the user to enable or disable TPM endorsement Hierarchy for the operating system. The controls are as follows: On Off
Key Storage Enable	Allows the user to enable or disable TPM endorsement Hierarchy for the operating system. The controls are as follows: On Off
SHA-256	Allows the user to enable SHA-256 hash algorithm to extend the measurements into the TPM PCRs during BIOS boot. The controls are as follows: On Off
Clear	Allows the user to clear TPM owner information and returns TPM to default state. The controls are as follows: On Off
TPM State	Allows the user to enable/disable TPM. The controls are as follows: On Off
SMM Security Mitigation	Allows the user to enable/disable UEFI SMM Security Mitigation. The controls are as follows: On Off

Passwords

Table 31. Passwords

Option	Description
Enable Strong Passwords	Allows the user to enable complex admin and system passwords:
. 455115145	• On
	• Off
	(if set). The admin password deletes the system password (if set). The admin
	password can also be used to delete hard drive password. For this reason, you cannot set
	an admin password if a system password or hard drive password is set. Hence, an admin

Table 31. Passwords (continued)

Option	Description		
	1	to be set first if the admin password has to be used with system password rive password.	
Password Configuration	Allows the user to set the maximum number of characters for Admin and System oasswords: • Admin Password Min (04) • Admin Password Max (32) • System Password Min (04) • System Password Max (32)		
Admin Password	Allows you to configure an admin password. (i) NOTE: Deleting the admin password deletes the system password (if set). The admin password can also be used to delete hard drive password. For this reason, you cannot set an admin password if a system password or hard drive password is set. Hence, an admin password has to be set first if the admin password has to be used with system password and/or hard drive password.		
	Upper Case Letter	When enabled, this field reinforces password must contain at least one upper capital letter.	
	Lower Case Letter	When enabled, this field reinforces password must contain at least one lower capital letter.	
	Digit	When enabled, this field reinforces password must contain at least one-digit number.	
	Special Character	When enabled, this field reinforces password must contain at least one special character.	
	i NOTE: These	options by default are disabled.	
	Minimum Characters	Defines the number of characters allowed for a password. Min = 4	
Password Bypass	Allows you to byp	ass the System password and the Internal hard drive password, when it is set, estart.	
	The options are:		
	 Disabled—This option is enabled by default. Reboot bypass 		
Password Changes	Allows you to change the system password and hard drive password without the need of administrator password.		
	Enable Non-Admin Password Changes - By default, this option is disabled.		
Admin Setup Lockout	Allows the administrator to control how the user can access BIOS setup. Enable Admin Setup Lockout - By default, this option is disabled.		
	view the E If the adm	in password is set and Enable Admin Setup Lockout is enabled, you cannot BIOS setup (using F2 or F12) without the admin password. in password is set and Enable Admin Setup Lockout is disabled, the BIOS be entered and items that are viewed in Locked mode.	
Master Password	Allows you to disa	able master password support.	
Lockout		Password Lockout - By default, this option is disabled.	
		ard Disk password has to be cleared before the settings can be changed.	

Secure Boot

Table 32. Secure Boot

Option	Description
Secure Boot	Secure Boot helps ensure the system boots using only validated boot software.
	Enable Secure Boot—By default, this option is disabled.
	NOTE: The system has to be in UEFI boot mode to enable Enable Secure Boot.
Secure Boot Mode	Changes to the Secure Boot operation mode modifies the behavior of Secure Boot to allow evaluation of UEFI driver signatures.
	The options are: • Deployed Mode—By default, this option is enabled. • Audit Mode

Expert Key Management

Table 33. Expert Key Management

Option	Description
Enable Custom Mode	Aloows the user to manipulate security key databases
	OnOff — By default, this option is enabled.
Expert Key Management	The Custom Mode Key Management options are: PK—By default, this option is enabled. KEK db dbx

Performance

Table 34. Performance

Option	Description
Multi Core Support	This field specifies whether the process has one or all cores enabled. The default value is set to the maximum number of cores.
	 All Cores — This option is enabled by default. 1 2 3
Intel SpeedStep	This feature allows the system to dynamically adjust processor voltage and core frequency, decreasing average power consumption and heat production.
	Enable Intel SpeedStep
	This option is enabled by default.

Table 34. Performance (continued)

Option	Description
C-States Control	This feature allows you to enable or disable the ability of the CPU to enter and exit low-power states.
	Enable C-state control
	This option is enabled by default.
	This feature allows the system to dynamically detect high usage of discrete graphics and adjust system parameters for higher performance during that time period.
	Enable Adaptive C-states for Discrete Graphics
	This option is enabled by default.
Intel Turbo Boost Technology	This option allows you to enable or disable the Intel TurboBoost mode of the processor.
	Enable Intel Turbo Boost Technology
	This option is enabled by default.
Intel Hyper-Threading Technology	This option allows you to enable or disable the HyperThreading in the processor.
	Enable Intel Hyper-Threading Technology
	This option is enabled by default.

Power management

Table 35. Power Management

Option	Description
Wake on AC	Allows the system to wake up to perform basic checks when the adapter is connected. On Off — enabled by default
Enable USB Wake Support	Allows you to enable USB devices to wake the system from standby mode. On Off — enabled by default
	(i) NOTE: These features are only functional when the AC power adapter is connected. If the AC power adapter is removed before Standby, the BIOS removes power from all USB ports to conserve battery power.
Block Sleep	This option enables you to block entering to sleep (S3) mode in operating system environment. By default, the Block Sleep option is disabled.
	(i) NOTE: When Block Sleep is enabled, the system does not go to sleep. Intel Rapid Start gets disabled automatically, and the operating system power option remains blank if it was set to Sleep.
Auto On Time	Allows the user to set a defined day/time when they want the system to automatically power on The options are: • Disable—enabled by default • Every Day • Weekdays • Select Days

Table 35. Power Management (continued)

Option	Description	
	The user will see the days of the week listed with fields to select the time.	
Battery Charge Configuration	Allows the user to set the preferred battery charging plan for the system: The options are: • Adaptive—enabled by default • Standard • Primarily AC Use • CUstom - Allows the user to set a Start/Stop percentage for battery	
Enable Advanced Battery Charge Configuration	Allows the user to enable advanced configuration to maximize battery health while supporting heavy usage. The controls are as follows: On Off The UI below allows the user to set the day and time to further configure battery charging behaviour.	
Peak Shift	Allows the system to run on battery during peak power usage hours. The controls are as follows: On Off The UI below allows the user to set the peak day and time to further configure battery usage behavior.	

Wireless

Table 36. Wireless options

Option	Description
Wireless Device Enable	The options are:
	WLAN - Enable / Disable the WLAN device
	Bluetooth - Enable / Disable the Bluetooth device

POST behavior

Table 37. POST behavior

Option	Description	
Numlock Enable	Allows the user to enable/disable numlock	
	Enable numlock	
	ON - Enabled by default	
	• OFF	
Allows the user to enable/disable Function keys		
	ON - Enabled by default	
	• OFF	
	Lock Mode:	
	• Lock Mode Standard - When selected, the F1 - F12 keys will hold their traditional functions.	
	Lock Mode Secondary - When selected, the F1 - F12 keys will switch to secondary functions with media and system controls.	

Table 37. POST behavior (continued)

Option	Description	
Warnings and Errors	Allows the user to configure in what circumstances would the system stop the boot process upon encountering errors:	
	 Prompt on Warning Errors — System will wait for user input when errors or warnings are detected. Continue on Warning — System will wait for user input only when errors are detected. Continue on Warning and Errors — System will not ask for user input even when errors or warnings are detected. 	
Enable Adapter Warnings	Allows the user to configure the system to give an error message when lower power adapter is detected. The controls are as follows: On Off	
Fastboot	Allows the user to configure the speed of UEFI boot process: Minimal Thorough Auto	
Extend BIOS POST Time	Allows the user to configure the BIOS POST load time • 0 seconds • 5 seconds • 10 seconds	

Maintenance

Table 38. Maintenance

Option	Description	
Service Tag	Displays the service tag of your computer.	
Asset Tag	Allows the admin to add an Asset Tag. It is a string of 64 characters that are used by IT administrator to uniquely identify a particular system. Once an asset tag is set, it cannot be changed.	
BIOS Recovery from Hard Drive	Allows you to enable or disable recovery from a corrupt BIOS from a copy stored on the hard drive. ON - Enabled by default. OFF The user also gets a check box that allows enabling automatic recovery of the BIOS without user input.	
Start Data Wipe	Allows the user to setup an autowipe on the storage devices on the system upon a reboot. The options are: ON OFF - Enabled by default.	

System logs

Table 39. System Logs

Option	Description	
BIOS Event Log	Allows you to either keep and clear the BIOS event log.	
	Clear BIOS Event Log	
	The options are: • Keep - This option is enabled by default. • Clear	
Thermal Event Log	Allows you to either keep and clear the Thermal event log.	
	Clear Thermal Event Log	
	The options are: • Keep - This option is enabled by default. • Clear	
Power Event Log	Allows you to either keep and clear the Power event log.	
	Clear Power Event Log	
	The options are: • Keep - This option is enabled by default. • Clear	

Updating the BIOS

Updating the BIOS in Windows

About this task

CAUTION: If BitLocker is not suspended before updating the BIOS, the next time you reboot the system it will not recognize the BitLocker key. You will then be prompted to enter the recovery key to progress and the system will ask for this on each reboot. If the recovery key is not known this can result in data loss or an unnecessary operating system re-install. For more information on this subject, see Knowledge Article: https://www.dell.com/support/article/sln153694

Steps

- 1. Go to www.dell.com/support.
- 2. Click Product support. In the Search support box, enter the Service Tag of your computer, and then click Search.
 - NOTE: If you do not have the Service Tag, use the SupportAssist feature to automatically identify your computer. You can also use the product ID or manually browse for your computer model.
- 3. Click Drivers & Downloads. Expand Find drivers.
- **4.** Select the operating system installed on your computer.
- 5. In the Category drop-down list, select BIOS.
- 6. Select the latest version of BIOS, and click **Download** to download the BIOS file for your computer.
- 7. After the download is complete, browse the folder where you saved the BIOS update file.
- **8.** Double-click the BIOS update file icon and follow the on-screen instructions. For more information, see knowledge base article 000124211 at www.dell.com/support.

Updating the BIOS in Linux and Ubuntu

To update the system BIOS on a computer that is installed with Linux or Ubuntu, see the knowledge base article 000131486 at www.dell.com/support.

Updating the BIOS using the USB drive in Windows

About this task

CAUTION: If BitLocker is not suspended before updating the BIOS, the next time you reboot the system it will not recognize the BitLocker key. You will then be prompted to enter the recovery key to progress and the system will ask for this on each reboot. If the recovery key is not known this can result in data loss or an unnecessary operating system re-install. For more information on this subject, see Knowledge Article: https://www.dell.com/support/article/sln153694

Steps

- 1. Follow the procedure from step 1 to step 6 in Updating the BIOS in Windows to download the latest BIOS setup program file.
- 2. Create a bootable USB drive. For more information, see the knowledge base article 000145519 at www.dell.com/support.
- 3. Copy the BIOS setup program file to the bootable USB drive.
- 4. Connect the bootable USB drive to the computer that needs the BIOS update.
- 5. Restart the computer and press F12.
- 6. Select the USB drive from the One Time Boot Menu.
- Type the BIOS setup program filename and press Enter.
 The BIOS Update Utility appears.
- 8. Follow the on-screen instructions to complete the BIOS update.

Updating the BIOS from the F12 One-Time boot menu

Update your computer BIOS using the BIOS update.exe file that is copied to a FAT32 USB drive and booting from the F12 One-Time boot menu.

About this task

CAUTION: If BitLocker is not suspended before updating the BIOS, the next time you reboot the system it will not recognize the BitLocker key. You will then be prompted to enter the recovery key to progress and the system will ask for this on each reboot. If the recovery key is not known this can result in data loss or an unnecessary operating system re-install. For more information on this subject, see Knowledge Article: https://www.dell.com/support/article/sln153694

BIOS Update

You can run the BIOS update file from Windows using a bootable USB drive or you can also update the BIOS from the F12 One-Time boot menu on the computer.

Most of the Dell computers built after 2012 have this capability, and you can confirm by booting your computer to the F12 One-Time Boot Menu to see if BIOS FLASH UPDATE is listed as a boot option for your computer. If the option is listed, then the BIOS supports this BIOS update option.

NOTE: Only computers with BIOS Flash Update option in the F12 One-Time boot menu can use this function.

Updating from the One-Time boot menu

To update your BIOS from the F12 One-Time boot menu, you need the following:

- USB drive formatted to the FAT32 file system (key does not have to be bootable)
- BIOS executable file that you downloaded from the Dell Support website and copied to the root of the USB drive
- AC power adapter that is connected to the computer
- Functional computer battery to flash the BIOS

Perform the following steps to perform the BIOS update flash process from the F12 menu:

CAUTION: Do not turn off the computer during the BIOS update process. The computer may not boot if you turn off your computer.

Steps

- 1. From a turn off state, insert the USB drive where you copied the flash into a USB port of the computer.
- 2. Turn on the computer and press F12 to access the One-Time Boot Menu, select BIOS Update using the mouse or arrow keys then press Enter.

The flash BIOS menu is displayed.

- 3. Click Flash from file.
- 4. Select external USB device.
- 5. Select the file and double-click the flash target file, and then click Submit.
- 6. Click Update BIOS. The computer restarts to flash the BIOS.
- 7. The computer will restart after the BIOS update is completed.

Updating the BIOS in Windows

Prerequisites

It is recommended to update your BIOS (System Setup) when you replace the system board or if an update is available.

About this task

NOTE: If BitLocker is enabled, it must be suspended prior to updating the system BIOS, and then re enabled after the BIOS update is completed.

For more information about this subject, see Knowledge Article: How to Enable or Disable BitLocker with TPM in Windows.

Steps

- 1. Restart the computer.
- 2. Go to Dell.com/support.
 - Enter the Service Tag or Express Service Code and click Submit.
 - Click **Detect Product** and follow the instructions on screen.
- 3. If you are unable to detect or find the Service Tag, click Choose from all products.
- 4. Choose the **Products** category from the list.
 - NOTE: Choose the appropriate category to reach the product page.
- 5. Select your computer model and the **Product Support** page of your computer appears.
- 6. Click Get drivers and click Drivers and Downloads.

The Drivers and Downloads section opens.

- 7. Click Find it myself.
- 8. Click **BIOS** to view the BIOS versions.
- 9. Identify the latest BIOS file and click Download.
- 10. Select your preferred download method in the Please select your download method below window, click Download File. The File Download window appears.
- 11. Click Save to save the file on your computer.
- 12. Click Run to install the updated BIOS settings on your computer.

Follow the instructions on the screen.

Updating BIOS on systems with BitLocker enabled

CAUTION: If BitLocker is not suspended before updating the BIOS, the next time you reboot the system it will not recognize the BitLocker key. You will then be prompted to enter the recovery key to progress and

the system will ask for this on each reboot. If the recovery key is not known, this can result in data loss or an unnecessary operating system reinstall. For more information about this subject, see Knowledge Article: Updating the BIOS on Dell Systems With BitLocker Enabled

Updating the Dell BIOS in Linux and Ubuntu environments

If you want to update the system BIOS in a Linux environment, such as Ubuntu, see Update the Dell BIOS in a Linux or Ubuntu environment.

System and setup password

Table 40. System and setup password

Password type	Description
System password	Password that you must enter to log on to your system.
Setup password	Password that you must enter to access and make changes to the BIOS settings of your computer.

You can create a system password and a setup password to secure your computer.

CAUTION: The password features provide a basic level of security for the data on your computer.

CAUTION: Anyone can access the data stored on your computer if it is not locked and left unattended.

i NOTE: System and setup password feature is disabled.

Assigning a system setup password

Prerequisites

You can assign a new System or Admin Password only when the status is in Not Set.

About this task

To enter the system setup, press F2 immediately after a power-on or reboot.

Steps

- 1. In the **System BIOS** or **System Setup** screen, select **Security** and press **Enter**. The **Security** screen is displayed.
- 2. Select System/Admin Password and create a password in the Enter the new password field.

Use the following guidelines to assign the system password:

- A password can have up to 32 characters.
- The password can contain the numbers 0 through 9.
- Only lower case letters are valid, upper case letters are not allowed.
- Only the following special characters are allowed: space, ("), (+), (,), (-), (.), (/), (;), ([), (\), (]), (\).
- 3. Type the system password that you entered earlier in the Confirm new password field and click OK.
- 4. Press Esc and a message prompts you to save the changes.
- **5.** Press **Y** to save the changes. The computer reboots.

Deleting or changing an existing system setup password

Prerequisites

Ensure that the **Password Status** is Unlocked (in the System Setup) before attempting to delete or change the existing System and Setup password. You cannot delete or change an existing System or Setup password, if the **Password Status** is Locked.

About this task

To enter the System Setup, press **F2** immediately after a power-on or reboot.

Steps

- In the System BIOS or System Setup screen, select System Security and press Enter.
 The System Security screen is displayed.
- 2. In the System Security screen, verify that Password Status is Unlocked.
- 3. Select System Password, alter or delete the existing system password and press Enter or Tab.
- 4. Select Setup Password, alter or delete the existing setup password and press Enter or Tab.
 - NOTE: If you change the System and/or Setup password, re enter the new password when prompted. If you delete the System and Setup password, confirm the deletion when prompted.
- 5. Press **Esc** and a message prompts you to save the changes.
- **6.** Press **Y** to save the changes and exit from System Setup. The computer restarts.

Getting help and contacting Dell

Self-help resources

You can get information and help on Dell products and services using these self-help resources:

Table 41. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell	Dell
Tips	· ·
Contact Support	In Windows search, type Contact Support, and press Enter.
Online help for operating system	www.dell.com/support/windows
	www.dell.com/support/linux
Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.	www.dell.com/support
Dell knowledge base articles for a variety of computer concerns.	 Go to https://www.dell.com/support/home/? app=knowledgebase. Type the subject or keyword in the Search box. Click Search to retrieve the related articles.
Learn and know the following information about your product: Product specifications Operating system Setting up and using your product Data backup Troubleshooting and diagnostics Factory and system restore BIOS information	See Me and My Dell at www.dell.com/support/manuals. To locate the Me and My Dell relevant to your product, identify your product through one of the following: Select Detect Product. Locate your product through the drop-down menu under View Products. Enter the Service Tag number or Product ID in the search bar.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

- (i) NOTE: Availability varies by country and product, and some services may not be available in your country.
- NOTE: If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.



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https://tehnoteka.rs/p/dell-laptop-vostro-3400-not21599-akcija-cena/