

Inspiron 15 7000

Setup and Specifications

Computer Model: Inspiron 15-7570
Regulatory Model: P70F
Regulatory Type: P70F001



Note, atenționări și avertismente



NOTIFICARE: O NOTĂ indică informații importante care vă ajută să optimizați utilizarea produsului.



AVERTIZARE: O ATENȚIONARE indică un pericol potențial de deteriorare a hardware-ului sau de pierdere de date și vă arată cum să evitați problema.



AVERTISMENT: Un AVERTISMENT indică un pericol potențial de deteriorare a bunurilor, de vătămare corporală sau de deces.

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2017-08

Rev. A00

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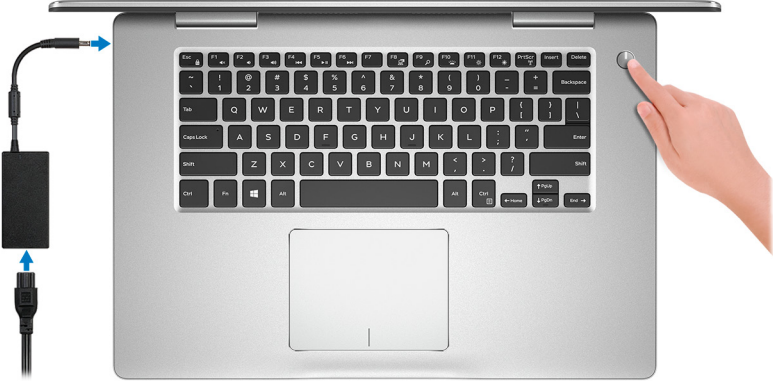
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Set up your computer

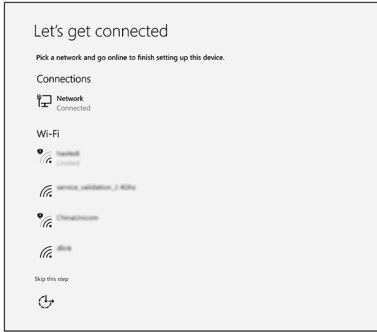
- 1 Connect the power adapter and press the power button.



2 Finish operating system setup.

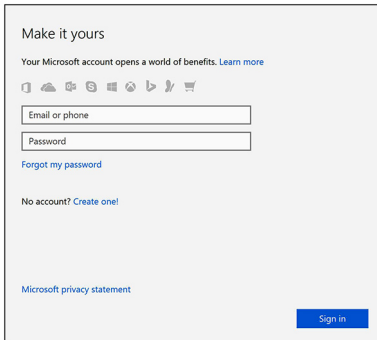
For Windows:

a) Connect to a network.



NOTE: If you are connecting to a secured wireless network, enter the password for the wireless network access when prompted.

b) Sign in to your Microsoft account or create a new account.



For Ubuntu:

Follow the instructions on the screen to finish setup.



3 Locate Dell apps in Windows.

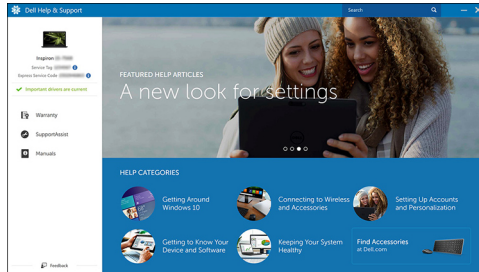
Table 1. Locate Dell apps



Register your computer



Dell Help & Support



SupportAssist—Check and update your computer

4 Create recovery drive for Windows. 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

Dell recommends that you 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.



NOTE: The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

- 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**.



NOTE: This process may take several minutes to complete.

- 8 Click **Finish**.

Reinstall Windows using a USB recovery drive



CAUTION: This process formats the hard drive and removes all data on your computer. Ensure that you back up data on your computer before beginning this task.



NOTE: Before reinstalling Windows, ensure your computer has more than 2 GB of memory and more than 32 GB of storage space.

- 1 Connect the USB recovery drive to your computer.
- 2 Restart your computer.

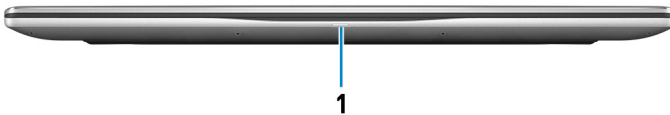
- 3 Press F12 after the Dell logo is displayed on the screen to access the boot menu. A **Preparing one-time boot menu** message appears.
- 4 After the boot menu loads, select the USB recovery device under **UEFI BOOT**. The system reboots and a screen to **Choose the keyboard layout** is displayed.
- 5 Choose your keyboard layout.
- 6 In the **Choose an option** screen, click **Troubleshoot**.
- 7 Click **Recover from a drive**.
- 8 Choose one of the following options:
 - **Just remove my files** to do a quick format.
 - **Fully clean the drive** to do a complete format.
- 9 Click **Recover** to start the recovery process.

This will take several minutes to complete and your computer will restart during this process.




Views

Front



1 **Indicator luminos de stare a alimentării și a bateriei/indicator luminos de activitate a hard diskului**

Indică starea de încărcare a bateriei sau activitatea hard diskului.

 **NOTE: Apăsați pe Fn+H pentru a comuta acest indicator luminos între indicatorul luminos de stare a alimentării și a bateriei și indicatorul luminos de activitate a hard diskului.**

Indicator luminos de activitate a hard diskului

Se aprinde atunci când computerul citește de pe sau scrie pe hard disk.

Indicator luminos de stare a alimentării și a bateriei

Indică starea de alimentare și de încărcare a bateriei.

Alb constant - adaptorul de alimentare este conectat și bateria are un nivel de încărcare de peste 5 %.

Portocaliu - computerul funcționează pe baterie și bateria are un nivel de încărcare de sub 5 %.

Off (Dezactivat)

- Adaptorul de alimentare este conectat și bateria este complet încărcată.
- Computerul funcționează pe baterie și bateria are un nivel de încărcare de sub 5 %.
- Computerul este în stare de repaus, de hibernare sau este oprit.

Left



1 Portul adaptorului de alimentare

Conectați un adaptor de alimentare pentru a alimenta computerul și a încărca bateria.

2 USB 3.1 Gen 1 (Type-C) port/DisplayPort

Connect peripherals such as external storage devices, printers, and external displays. Provides data transfer speeds up to 5 Gbps.

 **NOTE: An adapter is required to connect a DisplayPort device.**


3 port HDMI


Conectați televizorul sau alt dispozitiv cu intrare HDMI. Oferă intrare și ieșire video.

4 USB 3.1 Gen 1 port with PowerShare

Connect peripherals such as storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

 **NOTE: If your computer is turned off or in hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in the BIOS setup program.**

 **NOTE: Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.**

5 USB 3.1 Gen 1 port

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 5 Gbps.

6 Port pentru setul cască-microfon



Conectați o pereche de căști sau un set cască-microfon (set combo pentru căști și microfon).

Right



1 **Slot pentru cablu de securitate (pentru încuietoare Noble)**

Conectați un cablu de securitate pentru a împiedica deplasarea neautorizată a computerului.

2 **Port de rețea**

Conectați un cablu Ethernet (RJ45) de la un router sau de la un modem de bandă largă pentru acces la rețea sau internet.

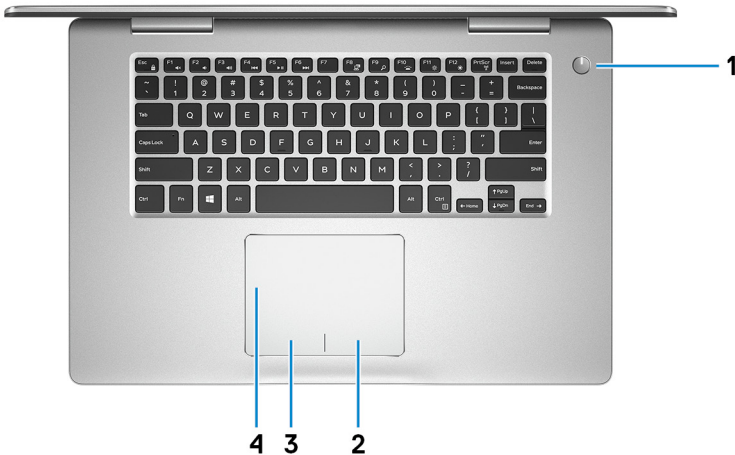
3 **USB 3.1 Gen 1 port**

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 5 Gbps.

4 **Fantă de cartelă SD**

Citește de pe și scrie pe cartela SD.

Base



1 Buton de alimentare

Apăsați pentru a porni computerul dacă acesta este oprit, se află în stare de repaus sau de hibernare.

Apăsați pentru a plasa computerul în stare de repaus dacă este pornit.

Apăsați continuu timp de 4 secunde pentru a forța închiderea computerului.



NOTE: Puteți particulariza comportamentul butonului de alimentare în Power Options (Opțiuni alimentare). Pentru informații suplimentare, consultați *Me and My Dell* (Eu și computerul meu Dell) la adresa www.dell.com/support/manuals.

2 Zonă de clic dreapta

Apăsați pentru a face clic dreapta.

3 Zonă de clic stânga

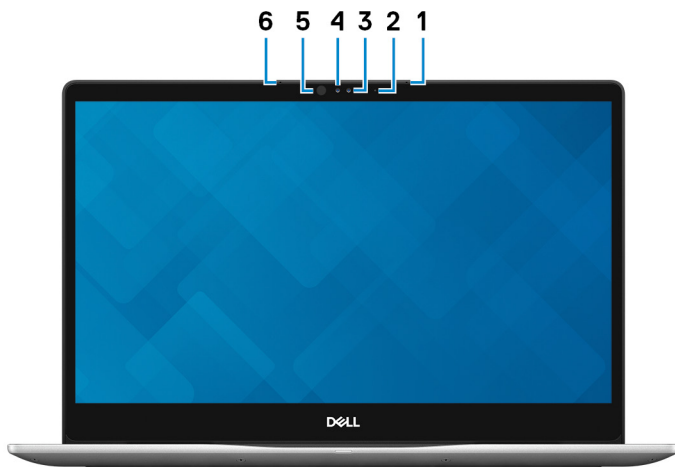
Apăsați pentru a face clic stânga.

4 Touchpadul

Mutați degetul pe touchpad pentru a deplasa indicatorul mouse-ului. Atingeți ușor pentru a face clic stânga și atingeți ușor cu două degete pentru a face clic dreapta.



Display (touchscreen)



1 **Microfon dreapta**

Asigură intrare de sunet digital pentru înregistrare audio și apeluri vocale.

2 **Indicator luminos de stare a camerei**

Se aprinde atunci când camera este în uz.

3 **Cameră**

Vă permite să conversați prin chat video, să fotografiați și să înregistrați clipuri video.

4 **Cameră în infraroșu**

Caracteristica de detectare în profunzime a camerei îmbunătățește securitatea atunci când este asociată cu funcția de autentificare facială pentru Windows Hello.

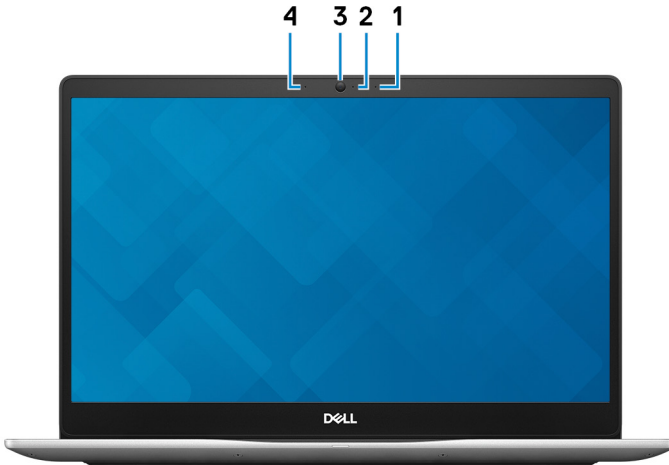
5 **Emitător în infraroșu**

Emite lumină în infraroșu, ceea ce permite camerei în infraroșu să detecteze profunzimea și să urmărească mișcarea.

6 **Microfon stânga**

Asigură intrare de sunet digital pentru înregistrare audio și apeluri vocale.

Display (non-touchscreen)



1 **Microfon dreapta**

Asigură intrare de sunet digital pentru înregistrare audio și apeluri vocale.

2 **Indicator luminos de stare a camerei**

Se aprinde atunci când camera este în uz.

3 **Cameră**

Vă permite să conversați prin chat video, să fotografiați și să înregistrați clipuri video.

4 **Microfon stânga**

Asigură intrare de sunet digital pentru înregistrare audio și apeluri vocale.

Bottom



1 **Left speaker**

Provides audio output.

2 **Etichetă de service**

Eticheta de service reprezintă un identificator alfanumeric unic care permite tehnicienilor de service Dell să identifice componentele hardware din computer și să acceseze informațiile privind garanția.

3 **Right speaker**

Provides audio output.

Specifications

System information

Table 2. System information

Processor	8 th generation Intel Core i5/i7
Chipset	Integrated in the processor

Computer model

Table 3. Computer model

Computer model	Inspiron 15-7570
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Dimensions and weight

Table 4. Dimensions and weight

	Non-touchscreen	Touchscreen
Weight (maximum)	2.16 kg (4.76 lb)	2.31 kg (5.09 lb)
Weight (minimum)	1.995 kg (4.40 lb)	2.15 kg (4.74 lb)
Height	18.81 mm (0.74 in)	<ul style="list-style-type: none">FHD: 18.81 mm (0.74 in)UHD: 18.91 mm (0.74 in)
Width	361.36 mm (14.23 in)	
Depth	244.50 mm (9.63 in)	



NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.



Operating system

Table 5. Operating system

Operating systems supported	<ul style="list-style-type: none">• Ubuntu• Windows 10 Home 64-bit• Windows 10 Professional 64-bit
-----------------------------	--

Memory

Table 6. Memory specifications

Slots	Two SODIMM slots
Type	DDR4
Speed	2400 MHz
Configurations supported	
Per slot	4 GB, 8 GB, and 16 GB
Total memory	4 GB, 8 GB, 12 GB, 16 GB, and 32 GB



NOTE: Your computer is shipped with maximum 16 GB memory. Order additional memory separately to increase the total memory to 32 GB.

Ports and connectors

Table 7. Ports and connectors

External:	
Network	One RJ-45 port
USB	<ul style="list-style-type: none">• Two USB 3.1 Gen 1 port• One USB 3.1 Gen 1 port with PowerShare

External:

	<ul style="list-style-type: none">• One USB 3.1 Gen 1 (Type-C) port/ DisplayPort
Audio/Video	<ul style="list-style-type: none">• One HDMI port• One headset (headphone and microphone combo) port

Table 8. Ports and connectors

Internal:

M.2 Card	<ul style="list-style-type: none">• One M.2 slot for SSD• One M.2 slot for WiFi/Bluetooth
----------	--

Communications

Table 9. Supported Communications

Ethernet	100/1000 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none">• WiFi 802.11a/b/g/n/ac• Bluetooth 4.2



NOTE: Windows 10 currently supports up to Bluetooth 4.1.

Wireless

Table 10. Wireless

Transfer rate	Up to 867 Mbps
Frequency Bands	2.4 GHz/5 GHz
Encryption	<ul style="list-style-type: none">• 64-bit/128-bit WEP• AES-CCMP• TKIP



Intel Optane memory

Intel Optane memory functions as a storage accelerator. It accelerates the system and any type of SATA-based storage media such as hard drives and solid-state drives (SSDs).

 **NOTE: Intel Optane memory is only supported on 8th generation and later Intel Core i3/i5/i7 processor platforms with Windows 10 64-bit and above installed.**

Table 11. Intel Optane memory

Interface	PCIe NVMe 3.0 x2
Connector	M.2
Configurations supported	16 GB and 32 GB

Audio

Table 12. Audio specifications

Controller	Realtek ALC3254-CG with Waves MaxxAudio Pro
Speakers	Two
Speaker output	2 W
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

Storage

Table 13. Storage specifications

Interface	<ul style="list-style-type: none">• SATA 6 Gbps• PCIe up to 16 Gbps
Hard drive	One 2.5-inch drive
Solid-state drive (SSD)	One M.2 drive

Capacity

Hard drive

Up to 2 TB

SSD

- Up to 512 GB SATA drive
- Up to 512 GB PCIe4 drive
- Up to 32 GB Intel Optane Memory

Media-card reader

Table 14. Media-card reader specifications

Type

One SD-card slot

Card supported

SD card

Keyboard

Table 15. Keyboard specifications

Type

Backlit keyboard

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.



NOTE: Press Fn+Esc to switch the primary behavior of the function keys (F1-F12) between two modes - multimedia key mode and function key mode.

[Keyboard shortcuts](#)



Camera

Table 16. Camera specifications

Resolution

Camera

- Still image: 0.92 megapixel
- Video: 1280 x 720 (HD) at 30 fps

Infrared camera (touchscreen)

640 x 480 (VGA)

Camera

- Non-touchscreen: 74.6 degrees
- Touchscreen: 88 degrees

Infrared camera (touchscreen)

82.9 degrees

Diagonal viewing angle

Touchpad

Table 17. Touchpad

Resolution

- Horizontal: 1228
- Vertical: 928

Dimensions

- Height: 80 mm (3.15 in)
- Width: 105 mm (4.14 in)

Power adapter

Table 18. Power adapter specifications

Type	45W	65W
Input current (maximum)	1.30 A	1.50 A
Output current (continuous)	2.31 A	3.34 A
Input voltage	100 VAC–240 VAC	
Input frequency	50 Hz–60 Hz	
Rated output voltage	19.50 VDC	
Temperature range: Operating	0°C to 40°C (32°F to 104°F)	
Temperature range: Storage	–40°C to 70°C (–40°F to 158°F)	

Battery

Table 19. Battery specifications

Type	3-cell “smart” lithium-ion (42 WHr)	4-cell “smart” lithium-ion (56 WHr)
Dimension:		
Width	97.15 mm (3.82 in)	98.20 mm (3.87 in)
Depth	184.15 mm (7.25 in)	233.37 mm (9.19 in)
Height	5.90 mm (0.23 in)	5.90 mm (0.23 in)
Weight (maximum)	0.2 kg (0.44 lb)	0.25 kg (0.55 lb)
Voltage	11.40 VDC	15.20 VDC
Charging time (approximate)	4 hours (when the computer is off)	
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	



Life span (approximate)	300 discharge/charge cycles
Temperature range	<ul style="list-style-type: none"> Operating: 0°C to 35°C (32°F to 95°F) Storage: -40°C to 65°C (-40°F to 149°F)
Coin-cell battery	CR-2032

Display

Table 20. Display specifications

Type	15.6-inch FHD touchscreen 15.6-inch FHD non-touchscreen	15.6-inch UHD touchscreen
Resolution (maximum)	1920 X 1080	3840 x 2160
Viewing angle (Left/ Right/Up/Down)	80/80/80/80	80/80/80/80
Pixel pitch	0.17925 mm x 0.17925 mm	0.09 mm x 0.09 mm
Height (excluding bezel)	193.59 mm (7.62 in)	194.40 mm (7.65 in)
Width (excluding bezel)	344.16 mm (13.55 in)	345.60 mm (13.60 in)
Diagonal (excluding bezel)	396.24 mm (15.6 in)	396.24 mm (15.6 in)
Refresh rate	60 Hz	
Operating angle	0 degrees (closed) to 180 degrees	
Controls	Brightness can be controlled using shortcut keys	

Video

Table 21. Video specifications

	Integrated	Discrete
Controller	Intel UHD Graphics 620	NVIDIA GeForce 940MX
Memory	Shared system memory	Up to 4 GB GDDR5

Computer environment

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

Table 22. Computer environment

	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°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)	110 G [†]	160 G [‡]
Altitude (maximum)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

* Measured using a random vibration spectrum that simulates user environment.

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

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



Keyboard shortcuts



























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

Table 23. List of keyboard shortcuts

Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Toggle keyboard backlight
	Decrease brightness
	Increase brightness
 + 	Turn off/on wireless

Keys	Description
	Pause/Break
	Sleep
	Toggle scroll lock
	Toggle between power and battery-status light/hard-drive activity light
	 NOTE: Hard-drive activity light is supported only on computers shipped with a hard drive.
	System request
	Open application menu
	Toggle Fn-key lock
	Page up
	Page down
	Home
	End

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 24. Self-help resources

Information about Dell products and services

www.dell.com

Dell Help & Support app



Get started app



Accessing help

In Windows search, type **Help** and **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.

1 1. Go to www.dell.com/support.

1 2. At the top-right corner, enter **Knowledge Base** in the search box.

Enter the subject keyword to retrieve the related articles.

Learn and know about the following information about your product:

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:

- Product specifications
- Operating system
- Setting up and using your product
- Data backup
- Troubleshooting and diagnostics

- Select *Detect Product*.
- Locate your product through the drop down menu under *View Products*.

- Operating system
- Factory and system restore
- BIOS information
- Enter the **Service Tag number** or **Product ID** into the search bar.

Contacting Dell

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



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.

