

# Dell G7 7590





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<b>3:</b>	<b>Dell G7 7590.....</b>	<b>7</b>
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# Dell G7 7590



Step Number



Step Number

### Ubuntu

[www.dell.com/support](http://www.dell.com/support)

Ubuntu,

SLN151664

SLN151748

### Windows

Dell



Microsoft

### Support and Protection ( )

Step Number

Dell

Windows

1.

Dell



Dell

Dell

SupportAssist



OS Recovery

(SupportAssist)

[www.dell.com/support](http://www.dell.com/support)



SupportAssist,



Dell

SLN305843

[www.dell.com/support](http://www.dell.com/support)

Dell Update



Dell

Digital Delivery

153764

[www.dell.com/support](http://www.dell.com/support)

Dell

Step Number

Windows



USB

Windows

# Windows

USB

16 GB

Windows



Microsoft

Windows

Step Number

USB

Step Number

Windows

Recovery (□□□□□□□□□□)

Step Number

Create a recovery drive (

)

User Account Control (

)

Step Number /

Recovery Drive (

)

Step Number

Back up system files to the recovery drive (

)

Step Number

USB flash drive (

USB)

USB

Step Number

Step Number

Window

USB

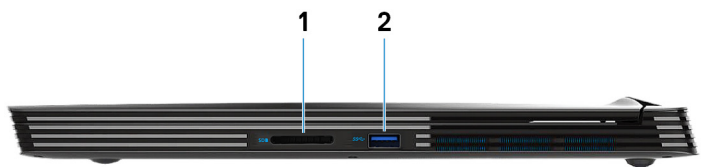
[www.dell.com/support/manuals](http://www.dell.com/support/manuals)

# Dell G7 7590



Ordered List Number 1

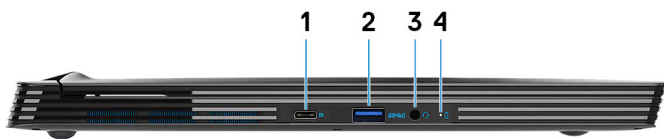
Ordered List Number 1



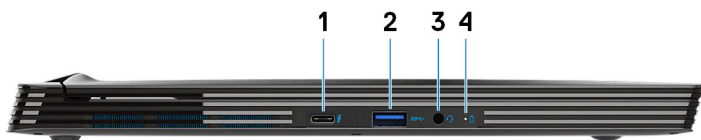
Ordered List Number 1

		SD
Ordered List Number 1	3.1	1
	5 Gbps	

NVIDIA GeForce GTX 1050 Ti GTX 1650



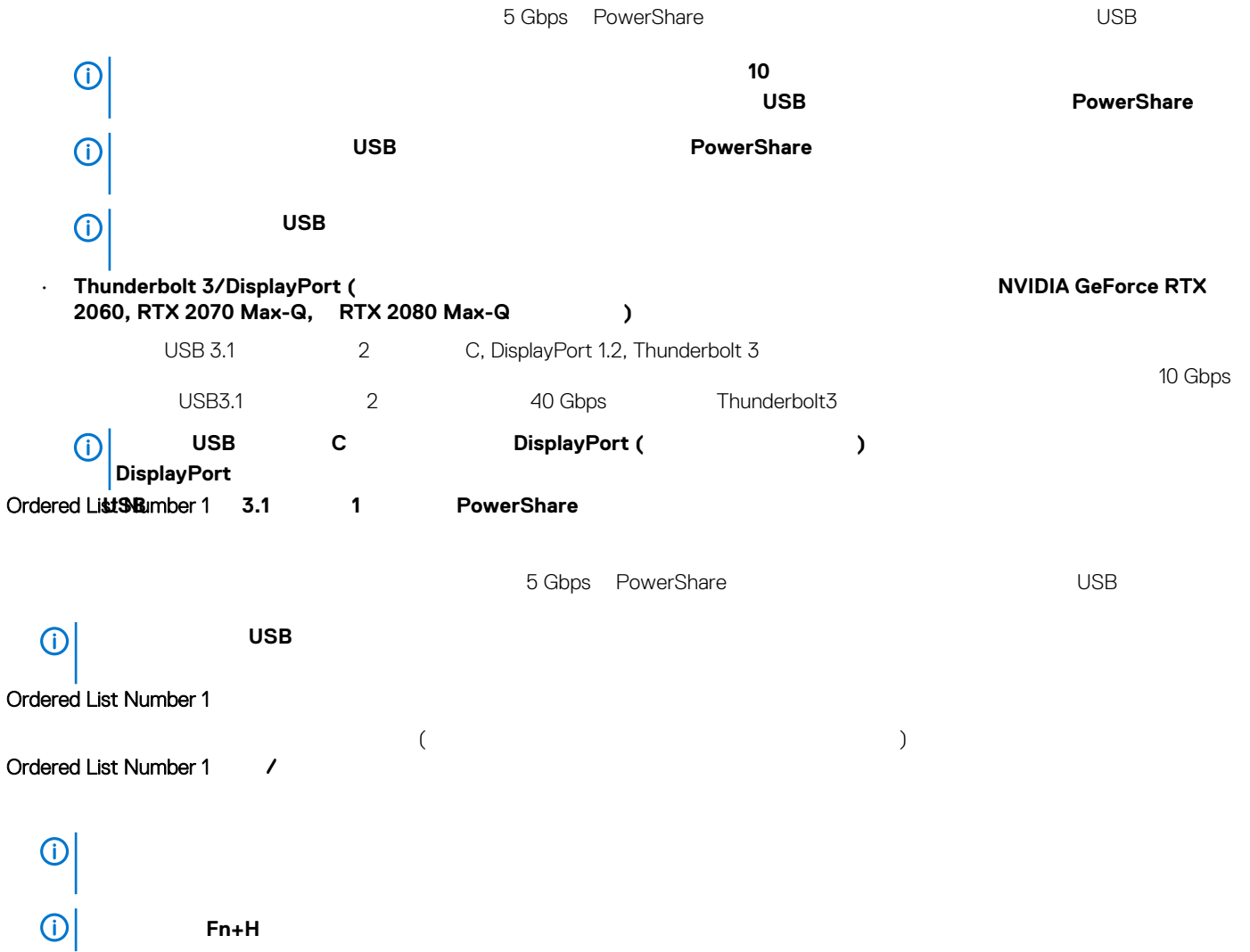
NVIDIA GeForce RTX 2060, RTX 2070 Max-Q, RTX 2080 Max-Q



Ordered List Number 1 2 C

- DisplayPort Alt-Mode ( )
- GTX 1650

NVIDIA GeForce GTX 1050 Ti



Ordered List Number 1

Ordered List Number 1



Ordered List Number 1

Ordered List Number 1

10

 manuals

*Dell*

*(Me and My Dell)*

Windows

[www.dell.com/support/](http://www.dell.com/support/)





25



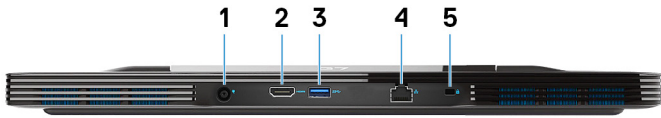
Ordered List Number 1

Ordered List Number 1

Ordered List Number 1

Ordered List Number 1

**NVIDIA GeForce GTX 1050 Ti GTX 1650**



Ordered List Number 1

Ordered List Number 1

Ordered List Number 1      HDMI

Ordered List Number 1      3.1      1

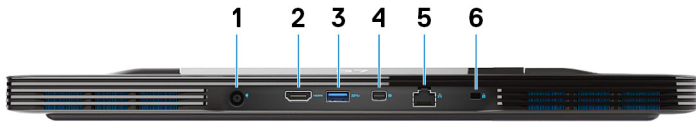
5 Gbps

Ordered List Number 1

(RJ45)

Ordered List Number 1      (      )

**NVIDIA GeForce RTX 2060, RTX 2070 Max-Q, RTX 2080 Max-Q, GTX 1660 Ti**



Ordered List Number 1

Ordered List Number 1

Ordered List Number 1      HDMI

Ordered List Number 1      3.1      1

5 Gbps

Ordered List Number 1

DisplayPort



**G, RTX 2080 Max-Q, GTX 1660 Ti**

Ordered List Number 1

(RJ45)

Ordered List Number 1      (      )

**NVIDIA GeForce RTX 2060, RTX 2070 Max-**




1

Ordered List Number 1

Dell

## Dell G7 7590

2.

	19.90	(0.78	)
	18.65	(0.73 in.)	
	364.30	(14.34	)
	273.40	(10.76	)
	2.67	(5.88	)
			

3.

	Intel Core i5-8300HQ 8	Intel Core i7-8750HQ 8	Intel Core i5-9300H 9	Intel Core i7-9750H 9	Intel Core i9-9980H 9
	45 W	45 W	45 W	45 W	45 W
	4	6	4	6	8
	8	12	8	12	16
	4.0 GHz	4.1 GHz	4.1 GHz	4.5 GHz	4.8 GHz
	8 MB	9 MB	8 MB	12 MB	16 MB
	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630

4.

	Intel Core i5/i7	8	Intel Core i5/i7/i9	9
	HM370		HM370	
DRAM	64-bit		64-bit	
Flash EPROM	16 MB		16 MB	
PCIe	Gen3.0		Gen3.0	
	4 GT/s		4 GT/s	

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu



**Ubuntu**

5.

	SoDIMM	
	DDR4	
	2666 MHz	
	32 GB	
	4 GB	
	4 GB, 8 GB	16 GB
	<ul style="list-style-type: none"> <li>• 4 GB DDR4 2666 MHz (1 x 4 GB)</li> <li>• 8 GB DDR4 2666 MHz (2 x 4 GB)</li> <li>• 8 GB DDR4 2666 MHz (1 x 8 GB)</li> <li>• 12 GB DDR4 2666 MHz (1 x 4 GB 1 x 8 GB)</li> <li>• 16 GB DDR4 2666 MHz (2 x 8 GB)</li> <li>• 16 GB DDR4 2666 MHz (1 x 16 GB)</li> <li>• 32 GB DDR4 2666 MHz (2 x 16 GB)</li> </ul>	

6.

	RJ-45
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USB	<ul style="list-style-type: none"> <li>Thunderbolt 3 (USB 3.1 DisplayPort (2 C) port/ (NVIDIA GeForce RTX 2060, RTX 2070 Max-Q, RTX 2080 Max-Q) USB 3.1 2 C DisplayPort Alt-Mode (NVIDIA GeForce GTX 1050 Ti GTX 1650) DisplayPort (NVIDIA GeForce RTX 2060, RTX 2070 Max-Q, RTX 2080 Max-Q, GTX 1660 Ti) )</li> <li>USB C 3.1 1 PowerShare</li> <li>USB 3.1 1</li> </ul>
	HDMI 2.0b
	SD-card
Docking	USB C

M.2	<ul style="list-style-type: none"> <li>PCIe NVMe M.2 2230 3x2 , PCIe NVMe 3x4 2280</li> <li>PCIe 3x2 Intel Optane Wi-Fi</li> </ul>
	<p><b>M.2 cards</b> <a href="#">SLN301626</a></p>

7.

	<ul style="list-style-type: none"> <li>Realtek GB LAN GTX 1050 Ti</li> <li>Killer GB E2500V2 RTX 2060, RTX 2070 Max-Q, RTX 2080 Max-Q</li> </ul>
	10/100/1000 Mbps



- 2.5 M.2 2230 M.2 2280
- 2.5 M.2 2280
- 2.5 M.2 Intel Optane



- M.2 M.2 2.5
- M.2

10.

**Form factor**

	2.5	(HDD)	SATA	<ul style="list-style-type: none"> <li>• 500 GB (7200 RPM)</li> <li>• 1 TB (5400 RPM)</li> <li>• 2 TB (5400 RPM)</li> <li>• 1 TB (5400 RPM) + 8 GB</li> </ul>
		<b>4</b>		
	M.2 2230		PCIe NVMe 3x2 Class 35	512 GB
	M.2 2280		PCIe NVMe 3x4 Class 40	1 TB

## Intel Optane

Intel Optane

(RAM)



- **Intel Optane**
- **Intel Core i3/i5/i7** (7)
- **Windows 10 64-bit** ( )
- **Intel Rapid Storage Technology**

11.

**Intel Optane**

		PCIe NVMe 3.0x2	3.0x4
		M.2 2280	
		16 GB	32 GB
			32 GB

12.

			SD-card
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(SD)

(SDHC)

SD (SDXC)

---

13.

---

RGB

QWERTY

---

105

102

101

19.05

X =

18.05

Y =

---

14.

---

HD RGB

CMOS

0.92

(HD)

1280 x 720 (HD) 30 fps

74.9

---

15.

---

---

---

1229

---

749

---

105 . (4.13 )

---

65 (2.56 )

---

Windows 10

Microsoft [4027871](#)

[support.microsoft.com](https://support.microsoft.com)

**16.**

	130 W	180
( )	7.4	7.4
	100 VAC-240 VAC	100 VAC-240 VAC
( )	50 Hz-60 Hz	50 Hz-60 Hz
( )	1.80 A/2.50 A	2.34 A
( )	6.70 A	9.23 A
	19.50 VDC	19.50 VDC
:		
	0°C 40°C (32°F 104°F)	0°C 40°C (32°F 104°F)
	-40°C 70°C (-40°F 158°F)	-40°C 70°C (-40°F 158°F)

10%

·  
·  
·

10%

17.

	4	/	"	"	6	/	"	"	
		(60 WHr)				(90 WHr)			
	4								
	15.20 VDC			11.40 VDC					
( )	0.25	(0.556 )			0.37	(0.82 )			
	11.60 . (0.46 )			11.60 . (0.46 )					
	222.20 (8.75 )			332.65 (13.10 )					
	74.20 (2.92 )			74.20 (2.92 )					
:	0°C 35°C (32°F 95°F)			0°C 35°C (32°F 95°F)					
	-40°C 65°C (-40°F 149°F)			-40°C 65°C (-40°F 149°F)					
( )	4	( )	4	( )					
	<b>Manger ( Dell)</b> <b>Dell Power Manger</b> <i>Me and My Dell ( Dell )</i> <a href="https://www.dell.com/">https://www.dell.com/</a>		<b>Dell Power Manger</b> <b>Power Manger ( Dell)</b> <b>Power Manger Dell ( Dell )</b> <a href="https://www.dell.com/">www.dell.com/</a>		<b>Dell</b> <b>Dell</b> <i>Me and My Dell</i> <i>Dell</i> <a href="https://www.dell.com/">https://</a>				
( )	/ 300			/ 300					
	CR-2032			CR-2032					

18.

	(FHD)	(FHD)	Ultra High Definition (UHD)
	(WVA)	(WVA)	(OLED)
( )	<ul style="list-style-type: none"> <li>• 220 nits</li> <li>• 300 nits</li> <li>• 300 nits</li> </ul>	300 nits	400 nits
( )	60 Hz ( )		
	144 Hz ( )		
( )	193.59 (7.62 )	193.59 (7.62 )	193.62 (7.62 )
	344.16 (13.55 )	344.16 (13.55 )	344.22 (13.55 )
	394.87 (15.55 )	394.87 (15.55 )	394.87 (15.55 )
	1920 x 1080	1920 x 1080	3840 x 2160
	2.07	2.07	8.29
gamut	72% (NTSC)	100% (sRGB)	DCP P3 100%
(PPI)	141	141	282
( )	600:1	1000:1	100,000:1
( )	<ul style="list-style-type: none"> <li>• 220 nits</li> <li>• 300 nits</li> <li>• 300 nits</li> </ul>	60 Hz 25 msec	8 msec
	60 Hz ( )		
	144 Hz ( )		
	25 msec		
	9 msec		
	60 Hz	240 Hz	60 Hz
	144 Hz ( )		
	+/- 85	+/- 85	<ul style="list-style-type: none"> <li>• +/- 85 ( )</li> <li>• +/- 80 ( )</li> </ul>
	+/- 85	+/- 85	<ul style="list-style-type: none"> <li>• +/- 85 ( )</li> <li>• +/- 80 ( )</li> </ul>
	0.179	0.179	0.0896
( )	<ul style="list-style-type: none"> <li>• 220 nits</li> <li>• 300 nits</li> <li>• 300 nits</li> </ul>	60 Hz 4.2 W	4.41 W
	60 Hz ( )		
	144 Hz ( )		
	6.2 W		
	7.8 W		
			14.8 W



19.

500 dpi

5.50 x 4.50 (0.22 x 0.18 )

108 x 88

20.

NVIDIA GeForce RTX 2060	· ·	HDMI 2.0b DisplayPort	1.4	6 GB	GDDR6
NVIDIA GeForce RTX 2070 Max-Q	· ·	HDMI 2.0b DisplayPort	1.4	8 GB	GDDR6
NVIDIA GeForce RTX 2080 Max-Q	· ·	HDMI 2.0b DisplayPort	1.4	8 GB	GDDR6
NVIDIA GeForce GTX 1660 Ti	· ·	HDMI 2.0b DisplayPort	1.4	6 GB	GDDR6
NVIDIA GeForce GTX 1050 Ti		HDMI 2.0b		4 GB	GDDR5
NVIDIA GeForce GTX 1650		HDMI 2.0b		4 GB	GDDR5

21.

Intel UHD Graphics 630	DisplayPort HDMI				Intel Core i5/i7 8
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22.

	0°C	35°C (32°F	95°F)	-40°C	65°C (-40°F	149°F)
( )	10%	90%	( )	0%	95%	( )
( )*	0.66 GRMS			1.30 GRMS		
( )	110 G†			160 G‡		
( )	-15.2	3048	(-50	10,000	-15.2 m	10,668 m (-50 ft 35,000 ft)

\*

† 2 ms

‡ 2 ms



shift

2 2

:

Shift + 2 @

F1-F12

F1

( )

F1-F12

Fn + Esc

Fn + F1

Fn



(

)

BIOS (F1-F12)

Function Key Behavior

23.

( )

F1	Fn + F1		
F2	Fn + F2		
F3	Fn + F3		
F4	Fn + F4	/	
F5	Fn + F5	/	
F6	Fn + F6	/	
F8	Fn + F8		
F9	Fn + F9		
F10	Fn + F10	)	(
F11	Fn + F11		
F12	Fn + F12		

Fn



24.

Fn + PrtScr	/
Fn + B	Pause/Break ( / )
Fn + Insert	
Fn + S	
Fn + H	/
Fn + R	
Fn + Ctrl	
Fn + Esc	Fn
Fn + ↑PgUp	
Fn + ↓PgDn	
Fn + ←Home	
Fn + End →	



Dell

25.

Dell	<a href="http://www.dell.com">www.dell.com</a>
My Dell (Dell )	
	
	Windows search Enter
	Contact Support
	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a>
	<a href="http://www.dell.com/support/linux">www.dell.com/support/linux</a>
	<a href="http://www.dell.com/support">www.dell.com/support</a>
Dell	Ordered List Number 1 <a href="http://www.dell.com/support">www.dell.com/support</a> Ordered List Number 1  Ordered List Number 1
	<i>Me and My Dell</i> <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a>
.	<i>Me and My Dell</i>
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BIOS	

Dell

Dell

[www.dell.com/contactdell](http://www.dell.com/contactdell)





**Dell**