



DELL XPS 15 7590 Intel® Core™ i7 i7-9750H 39.6 (15.6")
4K Ultra HD 16 DDR4-SDRAM 512 SSD NVIDIA®
GeForce® GTX 1650 Wi-Fi 6 (802.11ax) Windows 10 Pro

DELL

XPS

7590-7189

7590



DELL XPS 15 7590. Intel® Core™ i7, i7-9750H, 2.6 GHz
39.6 (15.6"), HD 4K Ultra HD, 3840 x 2160. 16 DDR4-SDRAM, 512 SSD. NVIDIA® UHD 630. Windows 10 Pro.



Configuration		Features	
Color	Platinum Silver	Operating System	Windows 10 Pro
Processor	Intel® Core™ i7	Software	Financial Tracker & Retail Information
Memory	16 DDR4-SDRAM	Security	
Storage	512 SSD	My WiFi	✓
Display	39.6 (15.6")	Identity Protection	✓
Resolution	3840 x 2160	Windows Hello	✓
Refresh Rate	60 Hz	Windows Update	2.0
HD	4K Ultra HD	SpeedStep	✓
Panel	OLED	Clear Video Technology	✓
Aspect Ratio	16:9	InTru™ 3D	✓
Pixel Density	400 ppi	Windows Hello	✓
Touch	0.09 x 0.09 mm	Windows Hello	✓
Resolution	282 ppi	AES New	✓
Refresh Rate	60 Hz	Trusted Execution	✗
Processor	Intel	VT-x (EPT)	✓
Processor	Intel® Core™ i7	Secure Key	✓
Processor	9th gen Intel® Core™ i7	TSX-NI	✗
Processor	i7-9750H	SIPP(Stable Image Platform Program)	✗
Cache	6	OS	✓
Cache	12	SGX(Software Guard Extensions)	✓
Cache	4.5 GB	64	✓
Cache	2.6 GB	OS	✓
Cache	8 GT/s	OS	✓
Cache	12 GB		

CPU		CPU	
CPU Model	BGA 1440	CPU Core Count	✓
CPU Core Count	14 Cores	CPU Cache Size	42 x 28 MB
CPU Architecture	64-bit	CPU Instruction Set	SSE4.1, SSE4.2, AVX 2.0
CPU Manufacturer	Coffee Lake	CPU Thread Count	1
TDP(Thermal Design Power)	45 W	CPU Virtualization Technology	✗
Max TDP-down	35 W	VT-d(Virtualization Technology for Directed I/O)	✓
Tjunction	100 °C	VT-x(Virtualization Technology)	✓
PCI Express Gen	16	ARK ID	191045
PCI Express Version	3.0	Memory	
PCI Express Slots	1x16, 2x8, 1x8+2x4	Memory Type	DDR4(Li-Ion)
Memory		Memory Size	6 GB
Memory *	16 GB	Memory *	97 Wh(Wh)
Memory Type	DDR4-SDRAM	Memory Speed	11.4 GB/s
Memory Capacity	2666 MB/s	Memory Weight	4 g
Memory Configuration	SO-DIMM	Memory Power	340 g
Memory Channels	2 x 8 GB	Storage	
Memory Modules	2x SO-DIMM	AC Power Adapter	130 W
Memory *	64 GB	AC Power Adapter	50/60 Hz
Storage		AC Power Adapter	100 - 240 V
Storage *	512 GB	AC Power Adapter	6.67 A
Storage *	SSD	AC Power Adapter	19.5 W
Storage SSD	512 GB	DC Power Adapter	✓
Storage SSD	1	USB Power Adapter	✓
Storage SSD (SSD) Type	512 GB	Display	
Storage SSD (SSD) Interface	NVMe, PCI Express	Display Type	✓
NVMe	✓	Display Size	✓
SSD Type	M.2	Display Weight	✓
Storage *	✗	Power	
Storage	✓	Power Adapter	0 - 35 W
Storage	SD, SDHC, SDXC	Power Adapter	-40 - 65 W
Graphics		Power Adapter	10 - 90 W
Graphics *	NVIDIA® GeForce® GTX 1650	Power Adapter	0 - 95 W
Graphics	4 GB	Power Adapter	-15.2 - 3048 W
Graphics	GDDR5	Power Adapter	-15.2 - 10668 W
Graphics *	✓	Power Adapter	110 G
Graphics GPU	Intel	Power Adapter	160 G
Graphics *	✓	Power Adapter	0.66 G
Graphics *	Intel® UHD Graphics 630	Power Adapter	1.3 G
Graphics *	350 MB	Input/Output	
Graphics *	1150 MB	Input/Output	Input/Output
Graphics *	64 MB	Input/Output	
Graphics *	12.0	Input/Output	357 MB
Graphics *	4.5	Input/Output	235 MB
Graphics *	0x3E9B	Input/Output	1.12 MB
Audio		Input/Output	1.7 MB
Audio	Realtek ALC3266CG	Input/Output	1.8 MB
Audio	MaxxAudio Pro	Input/Output	
Audio	2	Input/Output	90 MB
Audio	2 W	Input/Output	491 MB
Audio	✓	Input/Output	334 MB
Display		Input/Output	3.3 MB
Display	✓	Input/Output	Grey board, Input/Output, Input/Output(HDPE), Input/Output(LDPE), Input/Output
Display	0.92 MP	Input/Output	
Display	1280 x 720 W	Input/Output	0 g
Display	720p	Input/Output	
Display	HD	Input/Output	0 g

Item		Item	
Item		Item	
Item	30	Wheat straw molded pulp content per package	0 g
Item		Item	458 g
WLAN Item	✓	Item	486 g
Wi-Fi Item *	Wi-Fi 6 (802.11ax)	Item	447.2 g
Item	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Item	38.8 g
Item	✗	Item	0 g
Item	2x2	Item (PET) Item	0 g
WLAN Item	Killer Wireless-AX 1650	Item (HDPE) Item	96.42 g
Item	✗	Item (LDPE) Item	51.75 g
Item	✓	Item (PP) Item	13.2 g
Item	5.0	Item (PS) Item	0 g
Item		Item	0 g
Item & Item		Item	
USB 3.2 Gen 1 (3.1 Gen 1) Item-A Item 2 *	2	Item ACItem *	✓
HDMI Item *	1	Item	✓
HDMI Item	2.0	Item	✓
Item 3 Item	1	Item	
Item / Item	✓	Item (20)	1300
USB Item-C DisplayPort Item	✓	Item (40, HC)	3276
Item		Item	100
Item	Intel® CM246	Item	120
Item		Item	265.3
Item	Item	Item	228.4
Item *	✗	Item	3
Item	✓	Item	26
Item	✓	Item	78
Item	Item	Item	6
Item		Item	
Item	64-bit	Item (64)	64
Item		EPEAT	85.4



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Catalog Object Cloud



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