Specifications of XPS 13 7390 2-in-1

Dimensions and weight

Table 2. Dimensions and weight

Description	Values
Height:	
Front	6.94 mm (0.27 in.)
Rear	13.10 mm (0.52 in.)
Width	296.40 mm (11.67 in.)
Depth	207.40 mm (8.17 in.)
Weight (maximum)	2.92 lbs (1.33 kg) **NOTE: The weight of your computer depends on the configuration ordered and the manufacturing variability.**

Processors

This section describes the processors supported by XPS 7390 2-in-1.

Table 3. Processors

Description	Values		
Processors	10th Generation Intel Core i3	10th Generation Intel Core i5	10th Generation Intel Core i7
Wattage	15 W	15 W	15 W
Core count	2	4	4
Thread count	4	8	8
Speed	Up to 3.4 GHz	Up to 3.6 GHz	Up to 3.9 GHz
Cache	4 MB	6 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel Iris Plus Graphics

Chipset

Table 4. Chipset

Description	Values
Chipset	ICL PCH-LP
Processor	10th Generation Intel Core i3/i5/i7

Description	Values
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen3

Operating system

- Windows 10 Home (64-bit)
- Windows 10 Pro (64-bit)

Memory

Table 5. Memory specifications

Description	Values
Memory type	Dual-channel LPDDR4X
Memory speed	3733 MHz
Maximum memory	32 GB
Minimum memory	4 GB
Memory configurations supported	• 4 GB at 3733 MHz • 8 GB at 3733 MHz • 16 GB at 3733 MHz • 32 GB at 3733 MHz

Ports and connectors

Table 6. External ports and connectors

External:	
USB	Two Thunderbolt 3 (USB Type-C) ports with Power Delivery/ DisplayPort
Audio	One headset port
Video	USB Type-C to DisplayPort adapter (sold separately)
Media card reader	One micro-SD card
Docking port	N/A
Power adapter port	USB Type-C port
Security	N/A

Table 7. Internal ports and connectors

Internal:	
M.2	One M.2 1216 onboard WiFi and Bluetooth module

Internal:	
	NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.

Communications

Wireless module

Table 8. Wireless module specifications

Description	Values
Model number	Rivet Killer 1650s
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz
Wireless standards	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5

Audio

Table 9. Audio specifications

Description		Values
Controller		Realtek ALC3281-CG with Waves MaxxAudio Pro
Stereo conversion		Supported
Internal interface		High definition audio interface
External interface		Universal audio jack
Speakers		2
Internal speaker amplifier		Supported
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average	2 W
	Peak	2.5 W
Subwoofer output		Not supported

Description	Values
Microphone	Digital array microphones **NOTE: The microphones are VOIP certified with Skype for Business**

Storage

Your computer supports one 1620 onboard solid-state drive.

NOTE: Please backup your personal data before replacing any components in your computer.

Table 10. Storage specifications

Storage type	Interface type	Capacity
One 1620 onboard solid-state drive	PCIe Gen3.0x4 NVMe, up to 32 Gbps	Up to 1 TB

Media-card reader

Table 11. Media-card reader specifications

Description	Values
Type	One micro-SD card slot
Cards supported	• Micro Secure Digital (mSD) • Micro Secure Digital High Capacity (mSDHC) • Micro Secure Digital Extended Capacity (mSDXC)

Keyboard

Table 12. Keyboard specifications

Description	Values
Type	Backlit keyboard
Layout	QWERTY
Number of keys	• United States and Canada: 81 keys • United Kingdom: 82 keys • Japan: 85 keys
Size	X=19.05 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. **NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.** Keyboard shortcuts

Camera

Table 13. Camera specifications

Description	Values
Number of cameras	One
Type	HD RGB Camera
Location	Front Camera
Sensor type	CMOS sensor
Resolution:	
Still image	0.92 megapixel
Video	1280x720(HD) at 30 fps
Diagonal viewing angle	78 degrees

Touchpad

Table 14. Touchpad specifications

Description	Values
Resolution:	
Horizontal	1296
Vertical	752
Dimensions:	
Horizontal	112 mm (4.41 in.)
Vertical	66.70 mm (2.63 in.)

Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

Table 15. Power adapter specifications

Description	Values
Type	45 W (USB Type-C)
Connector dimensions:	
External diameter	Not applicable (USB Type-C form factor)
Internal diameter	Not applicable (USB Type-C form factor)
Input voltage	100 VAC - 240 VAC

Description	Values
Input frequency	50 Hz - 60 Hz
Input current (maximum)	1.30 A
Output current (continuous)	2.25 A
Rated output voltage	20 VDC
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)

Battery

Table 16. Battery specifications

Description	Values
Type	4-cell 51 Wh "smart" lithium-ion
Voltage	7.60 VDC
Weight (maximum)	0.23 kg
Dimensions:	
Height	5.81 mm
Width	105.50 mm
Depth	253.40 mm
Temperature range:	
Operating	0°C to 45°C (32°F to 113°F)
Storage	-20°C to 65°C (-4°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: 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 https://www.dell.com/.**
Life span (approximate)	300 discharge/charge cycles
Coin-cell battery	Not supported
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

Display

Table 17. Display specifications

Description	Values	
Type	Full High Definition	Ultra High Definition
Panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Luminance (typical)	500 nits	500 nits
Dimensions (Active area):		
Height	288 mm (11.34 in.)	288 mm (11.34 in.)
Width	180 mm (7.09 in.)	180 mm (7.09 in.)
Diagonal	339.60 mm (13.4 in.)	339.60 mm (13.4 in.)
Native resolution	1920 x 1200	3840 x 2400
Megapixels	2.304	9.216
Color gamut	100% (sRGB)	100% (sRGB), 90% (DCI-P3)
Pixels per inch (PPI)	169.3	338.6
Contrast ratio (min)	1200 : 1	1200 : 1
Response time (max)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	85 degrees	85 degrees
Vertical view angle	85 degrees	85 degrees
Pixel pitch	0.15 mm	0.08 mm
Power consumption (maximum)	3.07 W	6.58 W
Anti-glare vs glossy finish	Anti-reflective and Anti-smudge	Anti-reflective and Anti-smudge
Touch options	Yes	Yes

Fingerprint reader

Table 18. Fingerprint reader specifications

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

Video

Table 19. Video specifications

Integrated graphics			
Controller	**External display support**	**Memory size**	**Processor**
Intel UHD Graphics	USB Type-C to DisplayPort adapter (sold separately)	Shared system memory	10th Generation Intel Core i3/i5
Intel Iris Plus Graphics	USB Type-C to DisplayPort adapter (sold separately)	Shared system memory	10th Generation Intel Core i7

Computer environment

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

Table 20. Computer environment

Description	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 (4.64 ft to 5518.4 ft)	-15.2 m to 10668 m (4.64 ft to 19234.4 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.