



Specifications

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Regulatory Model: P23F | Type: P23F001

Computer Model: XPS L521X

Dimensions

Height	24.20 mm (0.95 inch)
Width	371.00 mm (14.61 inches)
Depth	249.00 mm (9.80 inches)
Weight (with 9-cell battery)	configurable to less than 2.66 kg (5.86 lb) NOTE: The weight of your laptop may vary depending on the configuration ordered and the manufacturing variability.

System information

Computer model	XPS L521X
Processor	<ul style="list-style-type: none">• Intel Core i5 (3rd generation)• Intel Core i7 (3rd generation)
System chipset	Intel HM77 Express Chipset

Memory

Connectors	two internally-accessible DDR3 SODIMM socket
Capacities	2 GB, 4 GB, and 8 GB
Minimum memory	4 GB
Maximum memory	16 GB
Memory type	1600 MHz, non-ECC, dual-channel DDR3
Memory configurations supported	4 GB, 6 GB, 8 GB, 12 GB, and 16 GB

Ports and connectors

Audio	<ul style="list-style-type: none">• one microphone port• one microphone/headphone combo port
HDMI	one 19-pin port
Network adapter	one RJ45 port
Mini DisplayPort	one 20-pin port
USB	<ul style="list-style-type: none">• two 9-pin USB 3.0 ports• one 9-pin USB 3.0 port with PowerShare and Windows debugging

Communications

Network adapter	10/100/1000 Mbps Ethernet controller on system board
Wireless	<ul style="list-style-type: none">• 2x2 WLAN b/g/n• Intel Wireless Display (WiDi) 3.0• Bluetooth 4.0

Video

Controller	<ul style="list-style-type: none">• NVIDIA GeForce GT630M (1 GB GDDR5)• NVIDIA GeForce GT640M (2 GB GDDR5)
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Audio

Controller	Intel High Definition Audio with Waves MaxxAudio4
Speaker	single 4-ohms speakers in both the left and right speaker assembly
Internal speaker amplifier	up to 3 W per channel; up to 5 W total power
Internal microphone	dual digital microphones in the camera assembly
Volume controls	program menus and keyboard media-control keys

Storage

Interface	SATA
Drives supported	<ul style="list-style-type: none">• one 63.50 mm (2.50 inches) SATA hard drive• one 63.50 mm (2.50 inches) solid-state drive• one mSATA drive through a mini-card
Storage drives configurations	<ul style="list-style-type: none">• one SATA hard drive• one 63.50 mm (2.50 inches) solid-state drive (SSD)• one SATA hard drive + one mSATA• one 63.50 mm (2.50 inches) solid-state drive (SSD) + one mSATA
Optical drives supported	<ul style="list-style-type: none">• one 133.35 mm (5.25 inches) slot load DVD+/-RW drive• one 133.35 mm (5.25 inches) slot load Blu-ray reader and DVD+/-RW drive

Media-card reader

Type	one 3-in-1 slot
Cards supported	<ul style="list-style-type: none">• Secure Digital (SD) memory card• Secure Digital High Capacity (SDHC)• Secure Digital Extended Capacity (SDXC) with ultra high speed

Display

Type	15.6-inch (16:9) Corning Gorilla Glass FHD WLED with TrueLife
Maximum resolution	1920 x 1080 (1080p)
Dimensions	
Height	193.59 mm (7.62 inches)
Width	344.16 mm (13.54 inches)
Diagonal	396.42 mm (15.60 inches)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Horizontal viewing angle	60/60 degrees
Vertical viewing angle	50/50 (H/L)
Pixel pitch	0.18 mm x 0.18 mm
Controls	brightness control through keyboard shortcuts

Backlit keyboard

Number of keys	Chiclet keyboard with LED backlit <ul style="list-style-type: none">• U.S. and Canada — 80• Europe and Brazil — 81• Japan — 84
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Camera

Camera resolution	1.3 megapixel
Video resolution (maximum)	1280 x 720 at 30 fps (HD)

Touchpad

X/Y position resolution (graphics table mode) 240 cpi

Size (sensor-active area)

Height 71.50 mm (2.82 inches)

Width 99.00 mm (3.90 inches)

Battery

9-cell "smart" lithium ion

Height 13.80 mm (0.54 inch)

Width 247.80 mm (9.76 inches)

Depth 101.20 mm (3.98 inches)

Weight 0.43 kg (0.95 lb)

Voltage 11.1 VDC

Charge time (approximate) less than 4 hours (when the computer is turned off)

Operating time battery operating time varies depending on operating conditions and may reduce significantly under certain power-intensive conditions

Coin-cell battery CR-2032

AC Adapter

Type 90 W

Input voltage 100 VAC—240 VAC

Input current (maximum) 1.60 A/1.70 A

Input frequency 50 Hz—60 Hz

Output current (continuous) 3.34 A/4.62 A

Output power 90 W

Rated output voltage 19.50 +/- 1 VDC

AC Adapter

Temperature range

Operating	0 °C to 40 °C (32 °F to 104 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Computer environment

Temperature range

Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	-40 °C to 65 °C (-40 °F to 149 °F)

Relative humidity (maximum)

Operating	10 % to 90 % (non-condensing)
Storage	10 % to 95 % (non-condensing)

Maximum vibration (using a random vibration spectrum that simulates user environment)

Operating	0.66 GRMS
Storage	1.30 GRMS

Maximum shock (Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage)

Operating	110 G
Storage	160 G

Altitude (maximum)

Operating	-15.2 m to 3048 m (-50 ft to 10,000 ft)
Storage	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

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