




Dell™ Inspiron™ 580: Comprehensive Specifications

This document provides information that you may need when setting up, updating drivers for, and upgrading your computer.



NOTE: Offerings may vary by region. For more information regarding the configuration of your computer, click **Start**  → **Help and Support** and select the option to view information about your computer.

Processor Type

Inspiron 580

- Intel® Pentium®
- Intel Core™ i3
- Intel Core i5

Memory

Memory connector

four internally-accessible DDR3 DIMM sockets

Memory-module capacities

1 GB, 2 GB, and 4 GB

Memory type

1066-MHz or 1333-MHz DDR3 DIMM; non-ECC memory only

Memory configurations supported

4 GB, 6 GB, and 8 GB

NOTE: Memory configurations of more than 4 GB require a 64-bit operating system.

Computer Information

System chipset

Intel H57

Drives

Externally accessible	<ul style="list-style-type: none">• two 5.25-inch bays for SATA DVD-ROM, SATA DVD+/-RW Super Multi Drive, or Blu-ray Disc™ combo drive• one 3.5-inch FlexBay for an optional Media Card Reader
Internally accessible	two 3.5-inch bays for SATA hard drives

External Connectors

Audio	front panel — one headphone and one microphone connector back panel — six connectors for 7.1 channel support
Network adapter	one RJ45 connector
USB	two front panel and four back panel USB 2.0-compliant connectors
Video	one 15-pin VGA connector and one 19-pin HDMI connector

System Board Connectors

Memory	four 240-pin connectors
PCI	one 124-pin connector
PCI Express x1	two 36-pin connector
PCI Express x16	one 164-pin connector
Power (System board)	one 24-pin EPS 12V connector (ATX-compatible)
Processor fan	one 4-pin connector
Chassis fan	one 3-pin connector
Front/Internal USB connector	two 9-pin connectors
Front audio connector	one 9-pin connector for 2-channel stereo sound and microphone
SATA	four 7-pin connectors

Communications

Modem (optional)	PCI modem
Wireless (optional)	PCI Express WiFi card supporting 802.11a/b/g/n

Video

Integrated	Intel GMA HD
Discrete	PCI Express x16 card (optional)

Audio

Audio type	integrated 7.1 channel, High Definition Audio
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Expansion Slots

PCI

Connectors	one
Connector size	124-pin
Connector data width (maximum)	32 bit
Bus speed	33 MHz

PCI Express x1

Connectors	two
Connector size	36-pin
Connector data width (maximum)	1 PCI Express lane
Bus speed	500 MB/s (bi-directional)

PCI Express x16

Connectors	one
Connector size	164-pin
Connector data width (maximum)	16 PCI Express lanes
Bus speed	16 GB/s (bi-directional)

Battery

Coin-cell battery	3-V CR2032 lithium
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Power

Wattage	300 W
Maximum heat dissipation	1574 BTU/Hr
Input voltage	115/230 VAC
Input frequency	50/60 Hz
Rated output current	7/4 A

Physical

Height	375.3 mm (14.77 inches)
Width	175.9 mm (6.92 inches)
Depth	440.4 mm (17.34 inches)
Weight (starting at)	8.7 kg (19.2 lb)

Computer Environment

Temperature range

Operating	10°C to 35°C (50°F to 95°F)
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Storage	-40° to 65° C(-40° to 149°F)
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Relative humidity (maximum)	20% to 80% (non-condensing)
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Maximum vibration (using a random vibration spectrum that simulates user environment)

Operating	0.25 GRMS
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Non-Operating	2.2 GRMS
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Computer Environment (continued)

Maximum shock (for operating — measured with Dell Diagnostics running on the hard drive and a 2-ms half-sine pulse; for non-operating — measured with hard drive in head-parked position and a 2-ms half-sine pulse)

Operating	40G for 2 ms with a change in velocity of 20 in/s (51 cm/s)
Non-Operating	50G for 26 ms with a change in velocity of 320 in/s (813 cm/s)
Altitude (maximum)	
Operating	-15.2 to 3048 m (-50 to 10,000 ft)
Storage	-15.2 to 10,668 m (-50 to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985

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