



SUPPORT

Search Support

[Advanced Search](#)

Customize Support

Get information, articles, and other support resources that are customized to your Dell.

[Customize now](#)

Quick Links

- [Getting Started](#)
- [News & Highlights](#)
- [FAQ](#)
- [Order Status](#)

Global Support Sites

[E-mail this page](#)

[Print this page](#)

- [Home](#)
 - [Solutions](#)
 - [Customer Forum](#)
 - [Upgrades](#)
 - [Customer Care](#)
 - [Downlo](#)
- [User's Guides](#) | [Educate U](#) | [Webopedia](#) | [Vendor Links](#) | [White Papers](#)

Specifications: Dell™ OptiPlex™ GX1 Systems

- [General](#)
- [System Information](#)
- [Expansion Bus](#)
- [System Clocks](#)
- [Memory](#)
- [Drives](#)
- [Ports](#)
- [Supported Resolutions](#)
- [Power](#)
- [Physical](#)
- [Environmental](#)
- [Regulatory Notices](#)

General

Microprocessor types	Intel® Pentium® II microprocessor with technology or Intel Pentium III micropro
Microprocessor speeds	266, 333, 350, 400, or 450 MHz (Pentiur 450, 500, 550, or 600 MHz (Pentium III)
Internal cache	KB (16-KB data cache, 16-KB instructio
L2 cache memory	512-KB pipeline burst, 4-way set-associat SRAM
Math coprocessor	internal to the microprocessor
Microprocessor slot	slot 1

System Information

System chip set	Intel 440BX PIIX4e
Data bus width	64 bits
Address bus width	32 bits
DMA channels	seven
Timers	three
Interrupt levels	15
Flash EPROM (BIOS)	2 Mb
BIOS source	Dell
NIC controller chip	optional integrated 3Com® PCI 3C905B LAN NIC, operating at 10 or 100 Mbps
I/O controller chip	National PC87309

Expansion Bus

Bus type	PCI (2.1-compliant) and ISA
----------	-----------------------------

Expansion-card slots:	
Small-form-factor chassis	two PCI expansion slots (half-length PCI only)
Low-profile chassis	(uses passive riser configuration only) the dedicated PCI slot, one dedicated ISA slot, and one PCI/ISA slot
Midsize chassis	(passive riser configuration) five total: two PCI slots, two ISA slots, and one PCI/ISA slot or (active riser configuration) five total: three PCI slots and two PCI/ISA slots
Mini tower chassis	(uses active riser configuration only) seven total: three dedicated PCI slots, two dedicated ISA slots, and two PCI/ISA slots
Bus speeds	PCI: 33 MHz ISA: 8.33 MHz
PCI data transfer rate	132 MB per second (burst reads and writes)
Plug and Play revision	1.0A
PCI bus specification	complies with PCI specification 2.1
PCI-to-PCI bridging	supported
ISA connector data width	16 bits
PCI connector data width	32 bits (maximum)
ISA expansion-card connector size	98 pins

System Clocks

Diskette/communications ports	48 MHz from system clock
System clock	66/100 MHz
Keyboard controller	48 MHz

Memory

Architecture	64-bit (non-ECC) or 72-bit (ECC), noninverted
Wait states	near zero
DIMM sockets	three (gold contacts)
DIMM capacities	32-, 64-, and 128-MB non-ECC SDRAM (66 MHz); 32-, 64-, 128-, and 256-MB ECC SDRAM (66 MHz)
Minimum RAM	32 MB
Maximum RAM	768 MB
Memory access time	synchronized with system clock

BIOS address	F0000h
--------------	--------

Drives

Externally accessible bays:

Small-form-factor chassis	one 3.5-inch bay for a 3.5-inch diskette drive one bay for a removable media device (slim-l only)
Low-profile chassis	one 5.25-inch bay for diskette, tape, or CD 3.5-inch bay for a diskette drive
Midsized chassis	two 5.25-inch bays for diskette, tape, or CD one 3.5-inch bay for a diskette drive
Mini tower chassis	three 5.25-inch bays for diskette, tape, or CD one 3.5-inch bay for a diskette drive

Internally accessible bays:

Small-form-factor chassis	one 3.5-inch bay for a 1-inch-high external integrated drive electronics (EIDE) hard-disk drive
Low-profile chassis	one 3.5-inch bay for a 1-inch-high hard-disk drive
Midsized chassis	two 3.5-inch bays: one for a 1-inch-high one for a 1.6-inch-high hard-disk drive
Mini tower chassis	two 3.5-inch bays: one for a 1-inch-high one for a 1.6-inch-high hard-disk drive

Ports

Externally accessible:

Serial (DTE)	two 9-pin connectors (16550-compatible)
Parallel	25-hole connector (bidirectional)
Video	15-hole connector
NIC	RJ45 connector
PS/2-style keyboard	6-pin mini-DIN
PS/2-compatible mouse	6-pin mini-DIN
USB	two USB-compliant connectors
Audio line-in	miniature audio jack
Audio line-out (amplified source)	miniature audio jack
Microphone	miniature audio jack

Internally accessible:

Primary EIDE hard-disk drive	40-pin connector on PCI local bus
Secondary EIDE hard-disk drive	40-pin connector on PCI local bus

Diskette drive	34-pin connector
ATI multimedia	40-pin connector
ATAPI	4-pin connector

Audio

Model	Crystal Semiconductor
Chip set	CS4236
Jacks:	
Audio line-in	one miniature audio jack
Audio line-out	one miniature audio jack (amplified)
Microphone	one miniature audio jack

Video

Video type	integrated ATI Rage Pro (AGP 2X) graph
Video memory	4 MB standard (upgradable to 8 MB) SG

Supported Resolutions

Video Resolution	Maximum Color Depth	Maximum Refresh Rate	Minimum SGRAM Required
640 x 480	True-color (32 bpp)	85 Hz	4 MB
800 x 600	True-color (32 bpp)	85 Hz	4 MB
1024 x 768	True-color (32 bpp)	85 Hz	4 MB
1280 x 1024	True-color (32 bpp)	85 Hz	8 MB
1600 x 1200	65,535 colors (16 bpp)	75 Hz	8 MB

Power

DC power supply:	
Wattage	small-form-factor chassis: 110 W; low-profile chassis: 145 W; midsize chassis: 200 W;

	mini tower chassis: 200 W
Voltage	90 to 135 V at 60 Hz; 180 to 265 V at 50 Hz
Heat dissipation	small-form-factor chassis: 808 BTU/hr (r low-profile chassis: 808 BTU/hr (nomina midsize chassis: 913 BTU/hr (nominal); mini tower chassis: 913 BTU/hr (nomina
Backup battery	3-V CR2032 coin cell

Physical

Small-form-factor chassis:

Weight	6.6 kg (14.5 lb)
Height	9.1 cm (3.6 inches)
Width	31.8 cm (12.5 inches)
Depth	37.8 cm (14.9 inches)

Low-profile chassis:

Weight	10.89 kg (24 lb)
Height	10.9 cm (4.3 inches)
Width	40.89 cm (16.1 inches)
Depth	43.69 cm (17.2 inches)

Midsized chassis:

Weight	12.7 kg (28 lb)
Height	16.5 cm (6.5 inches)
Width	41.9 cm (16.5 inches)
Depth	44.5 cm (17.5 inches)

Mini tower chassis:

Weight	14.3 kg (33.0 lb) or more, depending on c
Height	44.4 cm (17.5 inches)
Width	20.6 cm (8.1 inches)
Depth	43.7 cm (17.2 inches)

Environmental

Temperature:

Operating	10° to 35°C (50° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)

Relative humidity	20% to 80% (noncondensing)
-------------------	----------------------------

Maximum vibration:

Operating	0.25 G at 3 to 200 Hz at 1 octave/min
Storage	0.5 G at 3 to 200 Hz at 1 octave/min

Maximum shock:

Operating	left side (for mini tower orientation) and profile and midsize orientation) half-sine change in velocity of 20 inches/sec (50.8
Storage	27-G faired square wave with a velocity inches/sec (508 cm/sec)

Altitude:

Operating	-16 to 3048 m* (-50 to 10,000 ft)
Storage	-16 to 10,600 m (-50 to 35,000 ft)

* The maximum operating temperature of 35°C (95°F) is for altitudes below 914.6 m (3000 m the maximum operating temperature is reduced).

Regulatory Notices

FCC (U.S. only)	Class B (small-form-factor, low-profile, chassis) Class A1, Class B2 (mini tower chassis)
IC Notice (Canada only)	Class B
CE Notice	Class B
DMI 3.0-compliant	
APM 1.1-compliant	
FCC ID	Class B
EN 55022 (Czech Republic only)	Category B
VCCI Notice (Japan only)	Class 1, Class 2
Korean Regulatory Notice	Class A, Class B
NOM 024 Information (Mexico only)	
Polish Center for Testing and Certification	
1 For the mini tower chassis when networked	
2 For the mini tower chassis when in stand-alone mode	

