

CARTO[®] XP SYSTEM SPECIFICATIONS

This section provides the specifications for the major hardware components, including power specifications, dimensions, and weight*.

* The manufacturer may change the specifications at any time, without notice.

Workstations Specifications

Biosense Webster CARTO[®] Systems may run in the following system configurations:

Table 3: Workstations Specifications

CARTO [®] System	S. G.	DELL PRECISION			
	O2	360	370	380	390
CARTO [®] UNIX	X				
CARTO [®] XP System V7		X			
CARTO [®] XP System V8		X	X	X	X
CARTO [®] RMT System				X	X
CARTO [®] XP System 2007 Base		X	X	X	X
CARTO [®] XP System 2007 with CARTOSOUND [™] Module					X

The specifications for the Dell workstations are given below:

Dell Precision 360 Specifications

- Dell Precision 360 MiniTower Chassis
- 3.0 GHz with 512k Cache / 800 MHz Front Side Bus
- 40 GB ATA/100 IDE Hard Drive (7200 RPM)
- 80 GB ATA/100 IDE Hard Drive + 5.25" Disk Drawer (cold pluggable, 7200 RPM)
- 2 GB Dual Channel (4x512 PC400 ECC) DDR Memory
- NIC Card On-board
- 1.44 MB Floppy Drive
- 48x CD-RW (Read & Write) Drive
- Dell 56.6k Internal Data/Fax Modem
- N-FX-MT-01 100-Base-FX NIC
- 3C905CX-TX-M 3Com 10/100 Managed NIC
- Biosense Webster Image CDs with Windows 2000 Service Pack 3
- Dell Optical 2-Button Scroll Mouse + PS2
- Dell QuietKey® Keyboard
- 128 MB nVidia QuadroFX 500 (Dual-Monitor VGA – VGA/DVI) Graphics Card
- Internal Speaker

The detailed specifications for the Dell Precision 360 workstation are provided in Table 4.

Table 4: Specifications for the Dell Precision 360 Workstation

Dimensions (H x W x D) and Weight	
Dimensions	42.7 x 19.1 x 45 cm (16.8 x 7.5 x 17.7 inches)
Weight	12.7 kg (28 lb)
*\$Power (DC Power Supply)	
Power Consumption	250 W
Heat Dissipation	910 BTU/hr
Voltage	90 to 135 V at 50/60 Hz; 180 to 265 V at 50/60 Hz
Backup battery	3-V CR2032 lithium coin cell
110 V Power Supply and Consumption	110-120 V, 60 Hz, 6.0 A
220 V Power Supply and Consumption	220-240 V, 50 Hz, 3.0 A

Environmental	
Relative humidity	20% to 80% (noncondensing)
Temperature:	
Operating	10° to 35° C (50° to 95° F) <i>NOTE: At 35°C (95°F), the maximum operating altitude is 914 m (3000 ft)</i>
Storage	-40° to 65° C (-40° to 149° F)

**Some models supplied with automatic detection of power supply
 §Actual range may vary depending on the type and model supplied.*

Dell Precision 370 Specifications

- Dell Precision 370 MiniTower Chassis
- Motherboard: Intel 925X chipset
- Bios Version: Ver A02
- CPU: 3.4 GHz Intel Pentium® 4 Processor (800FSB/1 MB Cache)
- Memory: 2.0 GB (4*512) DDR2 SDRAM (PC533 ECC)
- 2 Hard disks: 40 GB (7200 rpm) 8 MB Cache, SATA Hard Drive and 80 GB (7200 rpm) 8 MB Cache, SATA Hard Drive
- Plugable SATA Disk DRAWER: 5.25" Plugable SATA Disk DRAWER (for 80GB Sata HD)
- CD-RW (Read & Write) Drive
- 3.5" 1.44 MB Floppy Drive
- Graphics Card: 128 MB PCIe x16 (DVI/VGA) nVidia Quadro FX 1300, Dual Mon DVI or VGA Graphics Card
- Network Board: Nic Card on Board 10/100/1000 Gigabit Ethernet
- Optical Network Board: Transition Networks N-FX-MT-01 100-base - FX
- Sound Card: Integrated Analog Devices Audio onboard
- Dell Optical 2 button Scroll USB Mouse + PS2 connector
- Dell English UK Enhanced Quietkey Keyboard, Smart Card Reader
- PCI Dell 56.6k Internal Data/Fax Modem
- 3C905CX-TX-M 3Com 10/100 Managed NIC
- Internal Speaker

The detailed specifications for the Dell Precision 370 workstation are provided in Table 5.

Table 5: Specifications for the Dell Precision 370 Workstation

Dimensions (H x W x D) and Weight	
Dimensions	42.5 x 19.1 x 45 cm (16.8 x 7.5 x 17.7 inches)
Weight	12.7 kg (28 lb)
*§Power (DC Power Supply)	
Power Consumption	350 W
Heat dissipation	910 BTU/hr
Voltage	90 to 135 V at 50/60 Hz; 180 to 265 V at 50/60 Hz
Backup battery	3-V CR2032 lithium coin cell
Environmental	
Relative humidity	20% to 80% (noncondensing)
Temperature:	
Operating	10° to 35° C (50° to 95° F) <i>NOTE: At 35°C (95°F), the maximum operating altitude is 914 m (3000 ft)</i>
Storage	-40° to 65° C (-40° to 149° F)

**Some models supplied with automatic detection of power supply
 §Actual range may vary depending on the type and model supplied.*

Dell Precision 380 Specifications

- Dell Precision 380 MiniTower Chassis
- Motherboard: Intel 955X chipset
- Bios Version: Ver A02
- CPU: 3.4 GHz Intel Pentium® 4 Processor (800FSB/2 MB L2 Cache)
- Memory: 2.0 GB (4*512) DDR2 SDRAM (PC533 ECC)
- 2 Hard disks: 80 GB (7200 rpm) DataBurst Cache, ATA2 Hard Drive and 160 GB (7200 rpm) DataBurst Cache, ATA2 Hard Drive
- CD-RW (Read & Write) Drive
- 3.5" 1.44 MB Floppy Drive
- Graphics Card: 128 MB PCIe x16 (DVI/VGA) nVidia Quadro FX 1300, Dual Mon DVI or VGA Graphics Card
- Network Board: Nic Card on Board 10/100/1000 Gigabit Ethernet

- Optical Network Board: Transition Networks N-FX-MT-02 100-base - FX
- Sound Card: Integrated Analog Devices Audio onboard
- Dell Optical 2 button Scroll USB Mouse + PS2 connector
- Dell English UK Enhanced Quietkey Keyboard, Smart Card Reader
- PCI Dell 56.6k Internal Data/Fax Modem
- 3C905CX-TX-M 3Com 10/100 Managed NIC
- Internal Speaker

The detailed specifications for the Dell Precision 370 workstation are provided in Table 6.

Table 6: Specifications for the Dell Precision 380 Workstation

Dimensions (H x W x D) and Weight	
Dimensions	42.5 x 19.1 x 45 cm (16.8 x 7.5 x 17.7 inches)
Weight	12.7 kg (28 lb)
*Power (DC Power Supply)	
Power Consumption	350 W
Heat dissipation	910 BTU/hr
Voltage	90 to 135 V at 50/60 Hz; 180 to 265 V at 50/60 Hz
Backup battery	3-V CR2032 lithium coin cell
Environmental	
Relative humidity	20% to 80% (non-condensing)
Temperature:	
Operating	10° to 35° C (50° to 95° F) <i>NOTE: At 35°C (95°F), the maximum operating altitude is 914 m (3000 ft)</i>
Storage	-40° to 65° C (-40° to 149° F)

**Some models supplied with automatic detection of power supply*

§Actual range may vary depending on the type and model supplied

Dell Precision 390 Specifications

- Dell Precision 390 MiniTower Chassis

- Motherboard: Intel 975X chipset
- Bios Version: Ver 2.1.2
- CPU: 2.67 GHz Intel Pentium® 4 Processor (800 FSB/2 MB L2 Cache)
- Memory: 2.0 GB (4*512) DDR2 SDRAM (PC533 ECC)
- 2 Hard disks: 80 GB (7200 rpm) DataBurst Cache, ATA2 Hard Drive and 160 GB (7200 rpm) DataBurst Cache, ATA2 Hard Drive
- DVD-RW (Read & Write) Drive with double-layer write capability; Roxio License
- 3.5" 1.44 MB Floppy Drive
- Graphics Card: 128 MB PCIe x16 (DVI/VGA) nVidia Quadro FX 1300, Dual Mon DVI or VGA Graphics Card
- Network Board: NIC Card onboard 10/100/1000 Gigabit Ethernet
- Optical Network Board: Transition Networks N-FX-MT-02 100-base - FX
- Sound Card: Integrated Analog Devices Audio onboard
- Dell Optical 2 button Scroll USB Mouse + mousepad
- Dell English UK Enhanced Quietkey Keyboard, Smart Card Reader
- PCI Dell 56.6k Internal Data/Fax Modem
- 3C905CX-TX-M 3Com 10/100 Managed NIC
- Internal Speaker

The detailed specifications for the Dell Precision 390 workstation are provided in Table 7.

Table 7: Specifications for the Dell Precision 390 Workstation

Dimensions (H x W x D) and Weight	
Dimensions	42.5 x 19.1 x 45 cm (16.8 x 7.5 x 17.7 inches)

Weight	12.7 kg (28 lb)
*§Power (DC Power Supply)	
Power Consumption	350 W
Heat dissipation	910 BTU/hr
Voltage	90 to 135 V at 50/60 Hz; 180 to 265 V at 50/60 Hz
Backup battery	3-V CR2032 lithium coin cell
Environmental	
Relative humidity	20% to 80% (noncondensing)
Temperature:	
Operating	10° to 35° C (50° to 95° F) <i>NOTE: At 35°C (95°F), the maximum operating altitude is 914 m (3000 ft)</i>
Storage	-40° to 65° C (-40° to 149° F)

**Some models supplied with automatic detection of power supply
§Actual range may vary depending on the type and model supplied.*

Monitor and Splitter Specifications

The observation room and repeater monitors are the same type and brand. Installation of a repeater monitor is accompanied with a GEFEN or ATEN Video Splitter.

The specifications for the monitors and GEFEN and ATEN video splitter are provided in Table 8.

Monitors supplied with the Biosense Webster System have the following features:

- GEFEN or ATEN High Resolution Video Splitter
- 19.1 in. LCD monitor (24 in. optional)
- Repeater Monitor SVGA Cable: 15/23 m, male to male
- Monitor SVGA Cable: As supplied with monitor

Table 8: Specifications for the Monitors (Repeater and Observation Room)

Dimensions (H x W X D) and Weight	
Dimensions (maximum)	44.3 x 43.4 x 23.5 cm (17.4 x 17.1 x 9.25 inches)

Weight (maximum)	8.9 kg (19.6 lb)
Power	
Power Consumption	48 W; 70 maximum operating, less than 5 in power-saving mode
Line voltage	100 to 240 VAC
Frequency	50/60 Hz single phase
GEFEN or ATEN Video Splitters Power Supply and Consumption	GEFEN Supply: 5VDC Consumption: 15 W (max) ATEN Supply: 90-263 VAC 50/60Hz Consumption: 2.7 W
Environmental	
Operating humidity	10% to 80% (noncondensing)
Operating Temperature	5° to 35° C (41° to 95° F)

COM Unit and PIU Specifications

The specifications for the CARTO® XP System are detailed in Table 9 including the COM Unit, PIU, location pad and location pad holder.

Table 9: Specifications for CARTO® XP System

Dimensions (H x W x D) and Weight	
COM Unit	
Dimensions	37 x 23.3 x 24 cm (14.6 x 9.2 x 9.5 inches)
Weight	Approx. 9.9 kg (21.8 lb)
PIU	
Dimensions	21 x 33.5 x 13 cm (8.3 x 13.2 x 5.1 inches)
Weight	Approx. 4.5 kg (9.9 lb)
Location Pad and Holder	
Dimensions (max)	17 x 60 x 63 cm (6.7 x 23.6 x 24.8 inches)
Weight	Approx. 10.3 kg (22.7 lb)
Power	
Power Consumption	90 W
Supply	AutoDetect 100-240 V, 50/60 Hz

COM Unit compatibility	100 to 240 VAC
Europe	220 V AC 0.5A 50 Hz
US	110 V AC 1.0A 60 HZ
Environmental	
<i>Humidity:</i>	
Operating	25% to 95%
Transport and Storage	10% to 100% (including condensation)
<i>Temperature:</i>	
Operating	Ambient, 10° to 40° C (50° to 104° F)
Transport and Storage	Ambient, -40° to 70° C (32° to 158° F)
<i>Atmospheric Pressure Range:</i>	
Operating	700 to 1060 hPa
Transport and Storage	500 to 1060 hPa