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maintenance & service guide

Presario 1200 Series
Models: XL101-XL113, XL115, XL118-XL127

Specifications

Physical and Environmental

Specifications	U.S.	Metric
(Models with 12.1in display)		
Height	1.97in	5.0cm
Depth	12.20in	31.0cm
Width	10.12in	25.7cm
(Models with 13.0in display)		
Height	1.97in	5.0cm
Depth	12.33in	31.3cm
Width	10.12in	25.7cm
Weight (varies by model)	7.19lbs or 7.36lbs	3260g or 3340g
Stand-Alone (Battery Pack) Power Requirements	NiMH	Li-Ion
Nominal Operation	W @ 9.6V	W @ 14.8V
Maximum Average	W @ 9.6V	W @ 14.8V
Peak Operation	W @ 9.6V	W @ 14.8V
AC Power Requirements	100-240V 0.8/0.4A RMS 47-63Hz (Meets IEC 801-4 and 801-5) 1kV for 50ns	
Operating Voltage		
Operating Current		
Operating Frequency		
Maximum Transient Voltage		
Temperature		
Operating	50° to 95°F	10°C to 35°C
Nonoperating	-4° to 140°F	-20°C to 60°C
Relative Humidity (noncondensing)		
Operating	10 to 90%	35 to 90%
Nonoperating (tw = 38.7°C max)	5 to 95%	60 to 95%
Altitude		
Operating	0 to 10,000ft	0 to 3.15km
Nonoperating	0 to 30,000ft	0 to 10.14km

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Specifications	U.S.	Metric
Shock		
Operating	10G, 11ms, half sine	
Nonoperating	240G, 2ms, half sine	
Vibration		
Operating	0.55G, 0.25 Oct/Min sweep rate	
Nonoperating	1.5G, 0.25 Oct/Min sweep rate	
NOTE: Applicable product safety standards specify thermal limits for plastic surfaces. Compaq Presario 1200 Series Portable Notebooks operate well within this range of temperatures.		

System Interrupts

IRQ	Device(s)
0	System Timer
1	Standard 101/102-Key or Microsoft Natural Keyboard
2	Programmable Interrupt Controller
3	IRQ Holder for PCI Steering
3	ALi PCI to USB Open Host Controller
4	Communications Port (COM1)
5	PCI Fast Ethernet DEC 21143 Based Adapter
5	ESS SOLO-1 PCI AudioDrive
6	Standard Floppy Disk Controller
7	Printer Port (LPT1)
8	System CMOS/Real Time Clock
9	RAGE LT PRO AGP 2X (English)
9	IRQ Holder for PCI Steering
10	Texas Instruments PCI-1211 CardBus Controller
10	IRQ Holder for PCI Steering
10	Lucent 56K V.90 PCI Data Fax Modem
12	Synaptics PS/2 TouchPad
13	Numeric Data Processor
14	ALi M5229 PCI Bus Master IDE Controller

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IRQ	Device(s)
14	Primary IDE Controller (dual fifo)
15	ALi M5229 PCI Bus Master IDE Controller
15	Secondary IDE Controller (dual fifo)

System DMA

DMA	Device(s)
0	Free
1	ESS SOLO-1 DOS Emulation
2	Standard Floppy Disk Controller
3	Free
4	Direct Memory Access Controller
5	Free

System I/O Addresses

I/O Address	System Function (Shipping Configuration)
0000 - 000Fh	Direct Memory Access Controller
0020h - 0021h	Programmable Interrupt Controller
0040h - 0043h	System Timer
0060h - x0060h	Standard 101/102-Key or Microsoft Natural Keyboard
0061h - x0061h	System Speaker
0064h - x0064h	Standard 101/102-Key or Microsoft Natural Keyboard
0070h - 0071h	System CMOS/Real Time Clock
0080h - 0080h	Motherboard resources
0081h - 008Fh	Direct Memory Access Controller
0092h - 0092h	Motherboard resources
00A0h - 00A1h	Programmable Interrupt Controller
00B1h - 00B3h	Motherboard Resources
00C0h - 00DFh	Direct Memory Access Controller
00EAh - 00EBh	Motherboard Resources

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I/O Address	System Function (Shipping Configuration)
00F0h - 00FFh	Numeric Data Processor
0100h - 010Fh	Motherboard Resources
0170h - 0177h	ALi M5229 PCI Bus Master IDE Controller
0170h - 0177h	Secondary IDE Controller (dual fifo)
01F0h - 01F7h	ALi M5229 PCI Bus Master IDE Controller
0200h - 0203h	Gameport Joystick
0220h - 022Fh	ESS SOLO-1 DOS Emulation
0330h - 0331h	ESS SOLO-1 DOS Emulation
0376h - 0376h	Secondary IDE Controller (dual fifo)
0376h - 0376h	ALi M5229 PCI Bus Master IDE Controller
0378h - 037Fh	Printer Port (LPT1)
0388h - 038Bh	ESS SOLO-1 DOS Emulation
03B0h - 03BBh	RAGE LT PRO AGP 2X (English)
03C0h - 03DFh	RAGE LT PRO AGP 2X (English)
03F0h - 03F5h	Standard Floppy Disk Controller
03F6h - 03F6h	Primary IDE Controller (dual fifo)
03F6h - 03F6h	ALi M5229 PCI Bus Master IDE Controller
03F7h - 03F7h	Standard Floppy Disk Controller
03F8h - 03FFh	Communications Port (COM1)
040Bh - 040Bh	Motherboard Resources
040Dh - 04D1h	Motherboard Resources
04D6h - 04D6h	Motherboard Resources
0CF8h - 0CFFh	PCI Bus
1000h - 103Fh	Motherboard Resources
1040h - 105Fh	Motherboard Resources
1060h - 106Fh	ESS SOLO-1 PCI AudioDrive
1070h - 107Fh	ESS SOLO-1 PCI AudioDrive
1080h - 10FFh	PCI Fast Ethernet DEC 21143 Based Adapter
1400h - 14FFh	Lucent 56K V.90 PCI DF Modem
1800h - 183Fh	ESS SOLO-1 PCI AudioDrive
1840h - 1847h	Primary IDE Controller (dual fifo)

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I/O Address	System Function (Shipping Configuration)
1840h - 184Fh	ALi M5229 PCI Bus Master IDE Controller
1848h - 184Fh	Secondary IDE Controller (dual fifo)
1850h - 1853h	ESS SOLO-1 PCI AudioDrive
1854h - 1857h	ESS SOLO-1 PCI AudioDrive
1858h - 185Fh	Lucent 56K V.90 PCI Data Fax Modem
2000h - 2FFFh	PCI standard PCI-to-PCI bridge
2000h - 20FFh	RAGE LT PRO AGP 2X (English)

System Memory Catalog

Memory Address	Device(s)
00000000h - 0009FFFFh	System Board Extension for PnP BIOS
000A0000h - 000AFFFFh	RAGE LT PRO AGP 2X (English)
000B0000h - 000BFFFFh	RAGE LT PRO AGP 2X (English)
000C0000h - 000CBFFFh	RAGE LT PRO AGP 2X (English)
000DC000h - 000DFFFFh	Motherboard Resources
000E0000h - 000FFFFFh	System Board Extension for PnP BIOS
00100000h - 01FFFFFFh	System Board Extension for PnP BIOS
0C000000h - 0C000FFFh	Texas Instruments PCI-1211 CardBus Controller
E0000000h - E3FFFFFFh	ALi M1541 AGP System Controller
FC000000h - FFFFFFFFh	ALi PCI to USB Open Host Controller
FC001000h - FC0010FFh	Lucent 56K V.90 PCI Data Fax Modem
FC001400h - FC0017FFh	PCI Fast Ethernet DEC 21143 Based Adapter
FC100000h - FFFFFFFFh	PCI Standard PCI-to-PCI bridge
FC100000h - FC100FFFh	RAGE LT PRO AGP 2X (English)
FC120000h - FC13FFFFh	RAGE LT PRO AGP 2X (English)
FD000000h - FFFFFFFFh	RAGE LT PRO AGP 2X (English)
FFFC0000h - FFFFFFFFh	Motherboard Resources

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Display Information

12.1 inch (Diagonal) HPA Display			12.1 inch (Diagonal) TFT Display		
Specification	U.S.	Metric	Specification	U.S.	Metric
Active Area Height x Width	9.56 x 7.17in	245 x 183.8mm	Active Area Height x Width	Info. not available	Info. not available
Height	10.7in	275.0mm	Height	Info. not available	Info. not available
Depth	0.31in	8.0mm	Depth	Info. not available	Info. not available
Width	7.9in	202.5mm	Width	Info. not available	Info. not available
Response Time	150ms		Response Time	50ms	
Contrast Ratio	40:1		Contrast Ratio	150:1	
Brightness	80nits Avg		Brightness	150nits Avg	
Refresh Rate	120-150Hz		Refresh Rate	60Hz	

13.0 inch (Diagonal) HPA Display		
Specification	U.S.	Metric
Active Area Height x Width	10.39 x 7.79in	264.0 x 198.0mm
Height	8.58in	218.0mm
Depth	0.31in	8.0mm
Width	11.6in	295.0mm
Response Time	150ms	
Contrast Ratio	50:1	
Brightness	100nits Avg	
Refresh Rate	120-150Hz	

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Memory Expansion

Base System Memory	Expansion Board Memory	Total Memory
32Mb	32Mb	64Mb
32Mb	64Mb	96Mb
32Mb	128Mb	160Mb
64Mb	32Mb	96Mb
64Mb	64Mb	128Mb
64Mb	128Mb	192Mb

Diskette Drive

Specifications	3.5 in Drive
Diskette Size	3.5in
Drive Size	Height 0.5in / 1.27cm
Bytes per Sector	512
Sectors per Track	
High Density	18 (1.44Mb/ 15 (1.2Mb)
Low Density	9
Track per Side	
High Density	80
Low Density	80
Access Times	
Track-to-Track (high/low)	3ms / 6ms
Average	94ms / 174ms
Setting Time	15ms
Latency Average	100
No. Read/Write Heads	2

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Hard Drive

Specifications	5.0Gb	6.0Gb
Drive Type	Info. not available	Info. not available
Logical Configuration	Info. not available	Info. not available
Cylinders		
Heads		
Sectors per Track		
Bytes per Sector		
Seek Times	Info. not available	Info. not available
Single Track		
Average Maximum		
Full Stroke		
Transfer Rate at interface	Info. not available	Info. not available
Sector Interleave	Info. not available	Info. not available
Buffer Size	Info. not available	Info. not available

CD or DVD Drive

Specifications	24X CD-ROM Drive	6X DVD Drive
Applicable Disk	CD-DA, CD-ROM, CD-ROM XA, CD-1, Photo CD (multisession), Video CD, CD-Extra (CD+), CD-G, CD-RW	
Disc Dimensions		
Center hole diameter	15mm	
Disc Diameter	12cm, 8cm	
Disc Thickness	1.2mm	
Weight	Info. not available	
Disc		
Drive		
Rotational Speed	Info. not available	

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Specifications	24X CD-ROM Drive	6X DVD Drive
Track Pitch	1.6um	
Access Time Typical (including setting) Average Random	110ms Info not available	
Audio Output Level Line out Headphone	+/- 0.27Vrms none	
Transfer Rate Typical (including setting) Sustained	Info. not available	
Cache Buffer Capacity	128Kb	
Startup/Spin-up Time	<8s	
Stop Time	<4s	



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