

Matrox Genesis PC Compatibility List

This list identifies the platforms (systems, motherboards and industrial computers) certified by Matrox Imaging to be compatible with the Matrox Genesis vision processor. Compatibility is defined as the general ability of the Matrox Genesis to properly function on the specified platform. It does not necessarily take into account interaction with other expansion peripherals. Therefore, customers should perform testing based on their applications' specific needs. Compatibility is not limited to the platforms listed below. Other platforms with similar characteristics may also be compatible. Please contact Matrox Imaging Technical Support for details on compatibility with specific platforms. A shaded background indicates a recently added listing.

Desktop systems

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
Compaq ³	DeskPro EN	Intel Pentium-III	Intel 815E	5V PCI / AGP 4X / ISA	-
Compaq ^{1,2}	DeskPro 4000	Intel Pentium-III	Intel 440LX	5V PCI / AGP / ISA	-
Dell ^{1,2}	Dimension XPS B800r	Intel Pentium-III	Intel 82820	5V PCI / AGP	A00
Dell ²	Dimension XPS D300	Intel Pentium-II	Intel 440LX	5V PCI / AGP / ISA	6.0
Dell ^{1,2}	Dimension XPS R400	Intel Pentium-II	Intel 440BX	5V PCI / AGP / ISA	A03
Dell ^{1,2,6}	Dimension XPS R450	Intel Pentium-II	Intel 440BX	5V PCI / AGP / ISA	A09
Dell ^{1,2,3}	Dimension XPS T550	Intel Pentium-III	Intel 440BX	5V PCI / AGP / ISA	A04
Dell ^{1,2,3,6}	Dimension 4100	Intel Pentium-III	Intel 815E	5V PCI / AGP 4X	-
Dell ^{1,2,3,6}	Dimension 8100	Intel Pentium 4	Intel 850	5V PCI / AGP 4X	-

Matrox Genesis PC Compatibility List (cont.)

Desktop systems (cont.)

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
Dell ^{3, 4}	OptiPlex GX240	Intel Pentium 4	Intel 845	5V PCI / AGP 4X	A02
Dell ^{3, 4, 6}	OptiPlex GX400	Intel Pentium 4	Intel 850	5V PCI / AGP 4X	A04
Dell ^{3, 4, 6, 7}	PowerEdge 2600	Intel Xeon (Dual)	Intel E7500	5V PCI / 3.3V PCI-X	A02
Dell ^{2, 3}	Precision Workstation 530	Intel Xeon (Dual)	Intel 860	5V PCI / 3.3V PCI / AGP 4X	A06
Dell ^{3, 4, 6, 7}	Precision Workstation 470	Intel Xeon (Dual)	Intel E7525	PCI-X / 5V PCI / PCIe	A01
Gateway ^{1, 2}	ALR 7200R	Intel Pentium-II (Dual)	Intel 440BX	5V PCI / ISA	6.00.7
Gateway ²	G6-300	Intel Pentium-II	Intel 440LX	-	6.04
Gateway ^{1, 2, 6}	G6-450	Intel Pentium-II	Intel 440BX	-	012
Gateway ^{1, 2, 6}	GP6-450	Intel Pentium-II	Intel 440BX	-	P04
Gateway ^{1, 2, 6}	Performance 550	Intel Pentium-III	Intel 440BX	-	P08
Gateway ^{2, 3, 5}	Performance 1000	Intel Pentium-III	Intel 815E	-	P08
Gateway ^{2, 3, 6}	Performance 1300	Intel Pentium 4	Intel 850	-	-
Gateway ^{2, 3, 4, 5}	500x	Intel Pentium 4	Intel 845PE	PCI / AGP	P02
HP ^{1, 2}	Vectra VL7	Intel Pentium-II	Intel 440LX	-	1.0
HP ^{2, 3, 4, 6, 7, 8}	workstation xw8000	Intel Xeon (Single)	Intel E7505	5V PCI / PCI-X / AGP 8X	JQW105US rev.A
IBM ^{2, 6}	Intellistation M PRO 6889	Intel Pentium-II (Dual)	Intel 440BX	-	NVKT 29.0
Siemens ^{1, 2}	Simati R145 P11	Intel Pentium-II	Intel 440LX	-	-

Matrox Genesis PC Compatibility List (cont.)

Motherboards

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
Abit ^{1, 2}	BX6	Intel Pentium-III	Intel 440BX	5V PCI / AGP / ISA	JH
Abit ^{2, 5, 6}	SA6	Intel Pentium-III	Intel 815EP	-	WJ
Abit ^{2, 3}	VP6	Intel Pentium-III	VIA 694	5V PCI / AGP	UR
Abit ^{2, 3, 6, 9}	VT6X4	Intel Pentium-III	VIA 694	PCI / AGP / ISA	TG
ASUS ^{2, 3, 6, 7, 9}	A7M266-D	AMD Athlon MP	AMD 760MPX	5V PCI / 3.3V PCI / AGP 4X	1010
ASUS ^{2, 3, 6, 9}	A7V133	AMD Athlon	VIA KT133A	PCI / AGP 4X / ISA	1004
ASUS ^{1, 2, 3}	CUBX	Intel Pentium-III	Intel 440BX	-	1005
ASUS ^{1, 2}	CUR-DLS	Intel Pentium-III	ServerSet IIILE	-	1005
ASUS ^{2, 3, 6}	CUSL2	Intel Pentium-III	Intel 815E	-	1002
ASUS ^{1, 2, 3}	MEW	Intel Celeron	Intel 810	PCI / ISA	1001
ASUS ^{2, 3, 4, 7, 8}	PP-DLW	Intel Xeon (Single)	Intel E7505	5V PCI / PCI-X / AGP 8X	028
ASUS ^{1, 2, 6}	P2B	Intel Pentium-II	Intel 440BX	PCI / AGP / ISA	1008
ASUS ^{1, 2}	P2B-D	Intel Pentium-III (Dual)	Intel 440BX	PCI / AGP / ISA	1008
ASUS ²	P2B-D2	Intel Pentium-III (Dual)	Intel 440BX	PCI / ISA	1010
ASUS ^{1, 2}	P2B-LS	Intel Pentium-II	Intel 440BX	PCI / AGP / ISA	1008

Matrox Genesis PC Compatibility List (cont.)

Motherboards (cont.)

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
ASUS ^{1,2}	P2-99	Intel Pentium-III	Intel 440ZX	PCI / AGP / ISA	1009A
ASUS ^{1,2,6}	P3B-F	Intel Pentium-III	Intel 440BX	PCI / ISA	1004
ASUS ^{1,2}	P3C-D	Intel Pentium-III (Dual)	Intel 820	PCI / AGP 4X	1012
ASUS ^{1,2,6}	P3C-E	Intel Pentium-III	Intel 820	PCI / AGP 4X / ISA	1020
ASUS ^{1,2,9}	P3C-LS	Intel Pentium-III	Intel 820	PCI / AGP 4X / ISA	1008
ASUS ^{1,2}	P3V133	Intel Pentium-III	VIA Apollo Pro133	PCI / AGP / ISA	1002
ASUS ^{3,4}	P4B	Intel Pentium 4	Intel 845	PCI / AGP 4X	-
ASUS ^{2,3,4,7}	P4P800	Intel Pentium 4	Intel 865PE	5V PCI / AGP 4X	1009
ASUS ^{2,3,6}	P4T	Intel Pentium 4	Intel 850	PCI / AGP 4X	1001
A-TREND ^{1,2}	ATC-6254M	Intel Pentium-III	Intel 440BX	PCI / ISA	2
A-TREND ^{1,2}	FW6280BXDR	Intel Pentium-III	Intel 440BX	-	-
DFI ^{1,2,6}	P2XBL	Intel Pentium-III	Intel 440BX	-	-
EPOX ^{1,2,6}	EP-BXB-S	Intel Pentium-III (Dual)	Intel 440BX	PCI / AGP / ISA	-
Gigabyte ^{1,2,6}	GA-BX2000	Intel Pentium-III	Intel 440BX	PCI / AGP / ISA	F1.6
Gigabyte ^{1,2,6}	GA-5AX	AMD K6-2	ALI	PCI / AGP / ISA	F1.08

Matrox Genesis PC Compatibility List (cont.)

Motherboards (cont.)

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
Gigabyte ^{2, 3, 6, 9}	GA-60XM7E	Intel Pentium-III	Intel 815E	PCI / AGP 4X	F2
Gigabyte ^{1, 2}	GA-6BXDU	Intel Pentium-III (Dual)	Intel 440BX	PCI / AGP / ISA	2.4
Gigabyte ^{1, 2, 6}	GA-6CX	Intel Pentium-III	Intel 820	PCI / AGP 4X / ISA	F3
Gigabyte ^{1, 2}	GA-6CXVC	Intel Pentium-III	Intel 820	PCI / AGP 4X / ISA	F3
Gigabyte ^{1, 2}	GA-7ZM	AMD K7 Athlon	VIA Apollo KT133	PCI / AGP 4X	F9
Intel ^{1, 2}	AL440LX	Intel Pentium-II	Intel 440LX	5V PCI / AGP 4X / ISA	P03
Intel ^{2, 3, 6}	D815EEAAL	Intel Pentium-III	Intel 815	-	P04
Intel ^{2, 3, 4}	D845BG	Intel Pentium 4	Intel 845	PCI / AGP	P01
Intel ^{2, 3}	D850GB	Intel Pentium 4	Intel 850	PCI / AGP	-
Intel ^{2, 3, 4, 7, 8}	D875PBZ	Intel Pentium 4	Intel 875P	5V PCI / AGP 8X	P16
Intel ^{3, 4, 6, 7}	D925XCV	Intel Pentium 4	Intel 925X	5V PCI / PCIe	0338
Intel ^{1, 2}	DK440LX	Intel Pentium-II (Dual)	Intel 440LX	PCI / AGP / ISA	10
Intel ^{1, 2}	MS440GX	Intel Pentium-II (Dual)	Intel 440GX	PCI	-
Intel ^{1, 2}	MU440EX	Intel Pentium-II	Intel 440EX	-	P03
Intel ^{3, 5, 6, 7}	OR840	Intel Pentium-III (Dual)	Intel 840	PCI / APG 4X	-

Matrox Genesis PC Compatibility List (cont.)

Motherboards (cont.)

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
Intel ^{1, 2}	RC440BX	Intel Pentium-II	Intel 440BX	PCI / ISA	P03
Intel ^{1, 2}	SE440BX	Intel Pentium-II	Intel 440BX	PCI / AGP / ISA	P04
Intel ^{1, 2, 6}	SE440BX-2	Intel Pentium-II	Intel 440BX	PCI / AGP / ISA	P05
Intel ^{2, 3, 4, 5, 6}	SE7500CW2	Intel Xeon (Dual)	Intel E7500	5V PCI / PCI-X	1.18
Intel ^{2, 3, 4, 6, 8.}	SE7505VB2	Intel Xeon (Dual)	Intel E7505	5V PCI / 3.3V PCI / PCI-X / AGP 8X	1.01
Intel ^{2, 3, 4, 6, 7}	SHG2	Intel Xeon (Single)	Intel E7505	5V PCI / PCI-X	1.08
Iwill ²	DBL100	Intel Pentium-II	Intel 443BX	5V PCI / AGP / ISA	01 21 1999
Iwill ^{1, 2}	LE370	Intel Celeron	Intel 440LX	PCI / AGP / ISA	07.02.1999
Iwill ^{2, 3, 6, 9}	W02	Intel Pentium-III	Intel 815E	-	02.27.2001
Legend QDI ²	BrilliantX IS	Intel Pentium-III	Intel 440BX	PCI / AGP / ISA	1.4
Shuttle ^{1, 2}	HOT 681Z	Intel Celeron	Intel 440ZX	-	681zs013
SOYO ^{1, 2}	SY-6BA	Intel Pentium-III	Intel 440BX	-	BA-2AA
SuperMicro ^{2, 3, 4, 6}	Super P4DC6	Intel Xeon (Dual)	Intel 860	5V PCI / 3.3V PCI / AGP 4X	1.0A

Matrox Genesis PC Compatibility List (cont.)

Motherboards (cont.)

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
SuperMicro ^{2, 3, 4, 7}	Super P4DSE	Intel Xeon	ServerWorks GC-SL	5V PCI / PCI-X	1.0C
SuperMicro ^{1, 2, 6}	Super P6DGE	Intel Pentium-II	Intel 440GX	5V PCI / AGP 2X / ISA	R1.3
SuperMicro ^{1, 2}	Super P6SBA	Intel Pentium-III	Intel 440BX	PCI / AGP / ISA	R1.5b
SuperMicro ^{2, 3, 4, 6, 7}	Super X5DAE	Intel Xeon (Dual)	Intel E7505	5V PCI / PCI-X / AGP 8X	1.0b
Tyan ²	Tiger 100	Intel Pentium-II	Intel 440BX	-	V1.12
Tyan ^{1, 2}	Tiger 2 ATX (S1692D)	Intel Pentium-II (Dual)	Intel 440LX	-	V1.09
Tyan ^{1, 2}	Tiger 100 (S1832DL)	Intel Pentium-II (Dual)	Intel 440BX	-	V1.16a
Tyan ^{1, 2}	Tiger Thunder (S1836DLUAN-GX)	Intel Pentium-II (Dual)	Intel 440GX	-	V1.16b
Tyan ^{2, 3}	Tiger Trinity K7 (S2380)	AMD K7 Athlon	VIA Apollo KX133	-	V1.02a
Tyan ^{2, 3, 4}	Tiger Thunder i7500 (S2720)	Intel Xeon (Dual)	Intel E7500	5V PCI / 3.3V PCI-X	V1.2
Tyan ^{2, 3, 4, 6}	Tiger Thunder i860 (S2603)	Intel Xeon (Dual)	Intel 860	5V PCI / 3.3V PCI / AGP 4X	V1.06

Matrox Genesis PC Compatibility List (cont.)

Industrial computers

Manufacturer	Model	Processor	Chipset	Backplane tested	BIOS revision
ICS ^{1, 2, 6}	FCLX0256	Intel Pentium-II	Intel 440LX	H	07/15/95
Kontron ^{2, 3, 4, 7, 8}	ePCI-200	Intel Pentium 4	ServerWorks GC-SL K		2.0
Portwell	ROBO-618	Intel Pentium-II	Intel 440BX	A	1.00
Teknor ^{1, 2}	PCI-936	Intel Pentium (MMX)	Intel 430HX	G	2.45
Texas Micro ^{1, 2}	PF5233 HX	Intel Pentium (MMX)	Intel 430HX	E & F	07/24/98
Texas Micro ¹	P2300(D)FX/512	Intel Pentium-II(Dual)	Intel 430FX	E & F	05/01/98
Texas Micro ^{1, 2}	321P-300W	Intel Pentium PRO	Intel 440FX	-	-
Trenton ^{1, 2}	CBI	Intel Pentium-III	Intel 440BX	-	13
Trenton ^{1, 2}	P2LX/233	Intel Pentium-II	Intel 440LX	C & D	07/15/95
Trenton ^{1, 2}	P2BX/400	Intel Pentium-II	Intel 440BX	C	08/13/98

Matrox Genesis PC Compatibility List (cont.)

Industrial computers (cont.)

Manufacturer	Model	Processor	Chipset	Backplane tested	BIOS revision
Trenton ^{2,3}	SLE (5891)	Intel Pentium-III	ServerSet-III LE	-	-
Trenton ^{1,2}	TR-DP2	Intel Pentium-II (Dual)	Intel 440BX	-	08/26/98
Trenton ^{2,3,4,6,9}	ULE (5927)	Intel Pentium-III	ServerSet-III LE	C	-
Trenton ^{2,3,4,6}	XPI (6022)	Intel Xeon	Intel E7500	I	07/15/95
Trenton ^{2,3,4,7,8,10}	XPT (6090)	Intel Xeon (Dual)	Intel E7501	J	TTIBY016

Backplanes

ID	Manufacturer	Model	Slot type(s)	PCI-TO-PCI bridge(s)
A	Portwell	PBP-14A7	PCI / ISA	(1) Intel 21052-AB
B	Portwell	PBP-08P4	PCI / ISA	none
C	Trenton	BP3-16T-ISA-PCI	PCI / ISA	(3) DEC 21152-AA / (1) DEC 21150-AA
D	Trenton	TR-BP7 6T-2.1	PCI / ISA	(1) DEC 21152-AA

Matrox Genesis PC Compatibility List (cont.)

Backplanes (cont.)

ID	Manufacturer	Model	Slot type(s)	PCI-TO-PCI / PCI-X-TO-PCI-X bridge(s)
E	Texas Micro	PCA/5/2/6 PCI/ISA	PCI / ISA	(1) DEC 21150-AA
F	Texas Micro	PCA/3ISA/1CPU/6PCI	PCI / ISA	(1) DEC 21150-AA
G	Teknor	6PCI/6ISA/1CPU	PCI / ISA	(1) DEC 212052-AB
H	ICS	BP12-0559	PCI / ISA	(1) DEC 21152
I	Trenton	BP3/2/4/4	5V PCI / 3.3V PCI / ISA	(2) Intel 21154 / (1) Intel 21152
J	Trenton	BP 1/1/2/4/4	PCI-X / 5V PCI / ISA	(1) Intel 21154
K	Kontron	eBP-11A4B6	PCI-X / 5V PCI	(2) PLX PCI 6540

Notes (Contact Matrox Imaging Technical Support for details)

1. Compatible with Microsoft DOS.
2. Compatible with Microsoft Windows NT 4.0.
3. Compatible with Microsoft Windows 2000.
4. Compatible with Microsoft Windows XP Professional.
5. Not compatible in all multi-board configurations.
6. Not compatible in all display modes (i.e., extended desktop/auxiliary)
7. Tested in a single board configuration only.
8. Not compatible in all slots.
9. Multi-node limitation.
10. On-board VGA cannot be used as Imaging display.

For more information, please call: 1-800-804-6243 (toll free in North America) or (514) 822-6020 or e-mail: imaging.info@matrox.com or <http://www.matrox.com/imaging>

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