



This list identifies the platforms (systems, motherboards and industrial computers) certified by Matrox Imaging to be compatible with the Matrox Orion frame grabber. Compatibility is defined as the general ability of the Matrox Orion 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
Dell <sup>1, 2, 3, 7</sup>	Optiplex GX240	Intel Pentium 4	Intel 845	AGP / 5V PCI	A02
Dell <sup>4, 7</sup>	Optiplex GX280	Intel Pentium 4	Intel 915G	5V PCI / PCIe	A07
Dell <sup>2, 3, 7</sup>	OptiPlex GX400	Intel Pentium 4	Intel 850	AGP 4X / 5V PCI	A04
Dell <sup>7</sup>	Precision Workstation 380	Intel Pentium 4	Intel 955X	PCIe / 5V PCI	A04
Dell <sup>3, 4, 7</sup>	Precision Workstation 470	Intel Xeon (Dual)	Intel E7525	PCI-X / 5V PCI / PCIe	A01
Dell <sup>2, 3, 7</sup>	Precision Workstation 530	Intel Xeon (Dual)	Intel 860	AGP 4X / 5V PCI / 3.3V PCI	A06
Dell <sup>3, 4, 7</sup>	Precision Workstation 670	Intel Xeon (Dual)	Intel E7525	PCI-X / 5V PCI / PCIe	A06
Gateway <sup>2, 3, 7</sup>	Performance 1000	Intel Pentium-III	Intel 815E	-	P08
Gateway <sup>2, 3, 7</sup>	Performance 1300	Intel Pentium 4	Intel 850	-	-



Desktop systems (cont.)

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
Gateway <sup>1, 2, 3, 7</sup>	500x	Intel Pentium 4	Intel 845PE	AGP / PCI	P02
HP <sup>2, 3, 4, 7</sup>	workstation xw8000	Intel Xeon (Single)	Intel E7505	AGP 8X / 5V PCI / PCI-X	JQW105US rev.A

Motherboards

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
ASUS <sup>3, 4, 7, 9</sup>	A7M266-D	AMD Athlon MP	AMD 760MPX	5V PCI / 3.3V PCI / AGP 4X	1010
ASUS <sup>2, 3, 4, 7</sup>	P4P800	Intel Pentium 4	Intel 865PE	5V PCI / AGP 4X	1009
ASUS <sup>1, 2, 3, 7</sup>	PB4	Intel Pentium 4	Intel 845	PCI / AGP 4X	-
ASUS <sup>2, 3, 4, 7</sup>	PP-DLW	Intel Xeon (Single)	Intel E7505	5V PCI / PCI-X / AGP 8X	028
Intel <sup>2, 3, 4, 7</sup>	D875PBZ	Intel Pentium 4	Intel 875P	5V PCI / AGP 8X	P16
Intel <sup>4, 7, 11</sup>	D915GEV	Intel Pentium 4	Intel 915G	5V PCI / PCIe	0332
Intel <sup>3, 4, 6, 7</sup>	D925XCV	Intel Pentium 4	Intel 925X	5V PCI / PCIe	0338
Intel <sup>4, 7</sup>	D975XBX	Intel Core 2 Duo	Intel 975X	5V PCI / PCIe	BX9750j.86.A1478
Intel <sup>2, 3, 4, 6, 7</sup>	SE7505VB2	Intel Xeon (Dual)	Intel E7505	5V PCI / PCI-X / AGP 8X	1.01



Motherboards (cont.)

Manufacturer	Model	Processor	Chipset	Slot type(s)	BIOS revision
Intel <sup>3, 4, 7</sup>	SE7525GP2	Intel Xeon (Single)	Intel E7525	PCIe / 5V PCI / PCI-X	P10
Intel <sup>2, 3, 4, 7, 8</sup>	SHG2	Intel Xeon (Single)	Intel E7505	5V PCI / PCI-X	1.08
MSI <sup>2, 3, 4, 7</sup>	E7505 Master-LS2 (MS-9121)	Intel Xeon (Single)	Intel E7505	5V PCI / PCI-X / AGP 8X	1.1
SuperMicro <sup>2, 3, 4, 6, 7</sup>	P4DC6	Intel Xeon (Dual)	Intel 860	5V PCI / 3.3V PCI / AGP 4X	1.0A
SuperMicro <sup>2, 3, 4, 7</sup>	P4DSE	Intel Xeon	ServerWorks GC-SL	5V PCI / PCI-X	1.0C
SuperMicro <sup>3, 4, 7, 8</sup>	P4SCT	Intel Pentium 4	Intel 875P	5V PCI / PCI-X / AGP 8X	1.0C
SuperMicro <sup>2, 3, 4, 7</sup>	X5DAE	Intel Xeon (Dual)	Intel E7505	AGP 8X / 5V PCI / PCI-X	1.0b
SuperMicro <sup>3, 4, 7, 11</sup>	X6DAE-G	Intel Xeon (Dual)	Intel E7525	5V PCI / PCI-X / PCIe	1.3a
SuperMicro <sup>3, 4, 7</sup>	X6DHE-G2	Intel Xeon (Dual)	Intel E7520	PCI-X / PCIe	1.3c
Tyan <sup>3, 4, 7</sup>	Thunder K8WE (S2895)	AMD Opteron (Dual)	AMD 8131	5V PCI / PCI-X / PCIe	1.01.2895
Tyan <sup>2, 7</sup>	Tiger Trinity K7 (S2380)	AMD K7 Athlon	VIA Apollo KX133	-	V1.02a
Tyan <sup>2, 4, 7, 8</sup>	Tiger Thunder i7500 (S2720)	Intel Xeon (Dual)	Intel E7500	5V PCI / 3.3V PCI-X	V1.2
Tyan <sup>2, 3, 7, 4</sup>	Tiger Thunder i860 (S2603)	Intel Xeon (Dual)	Intel 860	AGP 4X / 5V PCI / 3.3V PCI	V1.06



## Industrial computers

Manufacturer	Model	Processor	Chipset	Backplane tested	BIOS revision
Kontron <sup>2, 3, 4, 7</sup>	ePCI-200	Intel Pentium 4	ServerWorks GC-SL	A	2.0
Trenton <sup>2, 3, 7</sup>	SLE (5891)	Intel Pentium-III	ServerSet-III LE	-	-
Trenton <sup>2, 3, 7</sup>	XPI (6022)	Intel Xeon	Intel E7500	B	07/15/95

## Backplanes

ID	Manufacturer	Model	Slot type(s)	PCI/PCIe/PCI-X bridge(s)
A	Kontron	eBP-11A4B6	PCI-X / 5V PCI	(2) PLX PCI 6540
B	Trenton	BP3/2/4/4	5V PCI / 3.3V PCI / ISA	(2) Intel 21154 / (1) Intel 21152

### Notes (Contact Matrox Imaging Technical Support for details)

1. Compatible with Microsoft Windows 95/98SE.
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 (e.g., obstruction, failure to grab).
9. On-board VGA cannot be used as Imaging display.
10. MTXDMA issue under MIL/MIL-Lite 7.5. Please contact Matrox Imaging Technical Support for assistance.
11. Known booting issue with certain PCIe graphics boards. Please contact Matrox Imaging Technical Support for assistance.

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](mailto:imaging.info@matrox.com) or <http://www.matrox.com/imaging>  
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