

# Hardware Compatibility Database for EnGarde Secure Professional 1.5

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## Abstract

This document will cover all the hardware that is known to be compatible with EnGarde Secure Professional 1.5 for x86 architecture based systems. Hardware compatibility will be broken down into either "Fully Compatible", "Somewhat Compatible" or "Not Compatible".

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# 1 Introduction and Compatibility Breakdown

## 1.1 Introduction

EnGarde Secure Professional 1.5 supports a wide array of hardware. Since ESP is not designed as a desktop solution but instead a server based solution there will be no support listings for video cards, sound cards, mice, scanners, joysticks, and other devices associated with desktop environments.

Before installing EnGarde Secure Professional on your x86 based system check with this database to see if you specific hardware is supported.

## 1.2 Compatibility Breakdown

Hardware compatibility with EnGarde is broken down into three categories. These categories can be defined as follows:

**Fully Compatible** A device that work seamlessly in EnGarde without any known issues.

**Somewhat Compatible** A device that is compatible with Linux itself but may have a few issues with EnGarde in certain system configurations.

**Not Compatible** A device that either does not work at all in Linux and/or does not work at all in EnGarde. If a device is *not* listed in this hardware database then it is *not* compatible.

Each device will be listed by vendor and broken down by the module they require.

## 2 Ethernet Adapters

### 2.1 Fully Compatible

Device Name	Module Name	Model Names Supported
3Com Etherlink III	3c509.o	3c59x, 3c900, 3c905 (does not include 3c509B and C) 3c579
3Com Etherlink 3c590, 3c595TX/T4/MII, 3c597, 3c900T/Combo, 3c900B-TPO/Cinbo/TPC/FL, 3c905TX/T4/, 3c905B- TX/Combo/FX, 3c509XC, 3c985SX	3c59x.o	3Com Etherlink XL/PCI (vortex/bommerang)
3Com 1000BaseSX	himachi.o	3Com Gigabit Etherlink
EtherWORKS DE425 TP/COAX EISA, DE434 TP PCI, DE435/450, DE500 10/100 PCI Kingston, SMC8432, SMC9332, Znyx31 [ 45 ] and Znyx346 10/100 cards w/ DC21040 (no SRAM) DC21041 [ A ], DC21140 [ A ] DC21142, DC21143 chipsets	de4x5.o	
Accton SMC2-1211TX	8139too.o	Accton Technology Corporation SCMC2- 1211TX
AMD PCnet32 and AMD PCnetPCI	pcnet32.o	
AMD 79x970, 79c978, 79c974	lance.o	AMD PCnet LANCE, Home PNA
AMD 53c974	tmscsim.o	AMD PCscsi
Alteon Gigabit Ethernet	acenic.o	
Apricot 680x0 VME, 82596 chipset	82596.o	Apricot Xen-II, 680x0 VME (82596 chipset)
Ansel Communications AC3200 EISA	ac3200.o	Ansel Communications AC3200 EISA
Accton EtherDuo PCI, Accton EN1207 Cogent EM100, Cogent EM110, Cogent EM400 Cogent EM960 (last tested with tulip.o v0.66) Cogent EM964 Quartet (Four ports) Danpex EN-9400P3 Adaptec ANA6901/C, Adaptec ANA6911/TX Linksys EtherPCI (Newer cards need v0.83 or later tulip driver) Surecom EP-320X DEC 21140. Thomas Conrad TC5048 Znyx ZX312, Znyx ZX314, Znyx ZX315 EtherArray, Znyx ZX342 ZNYX ZX344, Znyx ZX345, Znyx ZX346, ZNYX ZX348, ZNYX ZX351	tulip.o	Digital 2104x,2114x "Tulip" chip cards
CL EtherTeam 16i/32	eth16i.o	ICL Etherteam 16i / 32 EISA
Compaq Netelligent 10/100 TX PCI UTP Compaq Netelligent 10 T PCI UTP Compaq Integrated NetFlex 3/P Compaq Netelligent Dual 10/100 TX PCI UTP Compaq Netelligent Integrated 10/100 TX UTP Compaq Netelligent 10/100 TX Embedded UTP Compaq Netelligent 10 T/2 PCI UTP/Coax Compaq Netelligent 10/100 TX UTP Compaq NetFlex 3/P Olicom OC-2325, OC-2183, OC-2326	tlan.o	Compaq Netelligent 10/100 TX PCI UTP, 10 T PCI UTP, Compaq Integrated NetFlex 3/P, Compaq Netelligent Dual 10/100 TX PCI UTP, Compaq Netelligen- t Integrated 10/100 TX UTP, Compaq Netelligent 10/100 TX Embedded UTP, Compaq Netelligent 10 T/2 PCI UTP/Coax, Compaq Netelligent 10/100 TX UTP, Compaq NetFlex 3/P

Device	Module Name	Model Names Supported
100VG-AnyLan Network Adapters, HP J2585B, J2585A, J2970, J2973, J2573 Compex ReadyLink ENET100-VG4 & FreedomLine 100/VG	hp100.o	100VG-AnyLan Network Adapters, HP J2585B, J2585A, J2970, J2973, J2573, Compex ReadyLink ENET100-VG4 & FreedomLine 100/VG
Digital 21x4x Tulip PCI ethernet cards SMC EtherPower 10 PCI(8432T/8432BT) SMC EtherPower 10/100 PCI(9332DST) DEC EtherWorks 100/10 PCI(DE500-XA) DEC EtherWorks 10 PCI(DE450) DEC QSILVER's, Znyx 312 etherarray D-Link DFE500-Tx (21140-A with DP83840 transceiver) D-Link DFE-540TX C-NET CNE-935 (21041) Allied Telesis LA100PCI-T Danpex EN-9400, Cogent EM110, Lite-On Communications LNE100TX, Kingston EtherX KNT40T (21040) Kingston EtherX KNE100TX (21140AE) Kingston EtherX CP 10/100TX PCI KNE-1100-TX (A rebadged Lite-On card) Netgear FA-310-TX (another one, 21140AE)	tulip.o	Digital 2104x,2114x "Tulip" chip cards, SMC DEC21041 , SMC PCI EtherPower (uses Tulip driver)
D-Link DE-600 Ethernet Pocket Adapter D-Link DE-620 Ethernet Pocket Adapter	de600.o	D-Link DE600, DE620 pocket adapters
D-Link DFE-530TX+	8139too.o	D-Link Fast Ethernet Adapter
DGE-500T Gigabit Ethernet DL2k Gigabit Ethernet	dl2k.o	
DIGITAL DEPCA & EtherWORKS, DEPCA, DE100, DE101, DE200 Turbo, DE201 Turbo, DE202 Turbo TP/BNC, DE210, DE422 EISA	depca.o	Digital DEPCA & EtherWORKS, DE100, DE101, DE200 Turbo, DE201 Turbo, DE202 Turbo, DE210, DE422
G-NIC 1000BT	himachi.o	G-NIC II Gigabit Network Interface Card
HP PCLAN/plus	hp-plus.o	HP PC-LAN Plus
HP LAN ethernet	hp.o	HP PC-LAN (27245B and 27xxx series) HP AnyLAN, 10/100VG, PCLAN (J2577, J2573, 27248B, )
HP Gigabit Ethernet NC7132, NC6136, NC6132, NC6133, NC6134, PC7131	e1000.o	Upgrade Module, Server Adapter, NIC
Intel i82557/i82558 PCI EtherExpressPro driver	eeepro100.o	Intel 82559 EEpro100 cards (Pro/100+ Server adapter, Pro/100+ Management adapter, Intel Pro/100+ Dual Port adapter), EtherExpress i82557/i82558 PCI Pro/10+
Intel EtherExpress 16 (i82586)	eexpress.o	Intel EtherExpress 16
Intel Gigabit Ethernet Controller 82542/82543GC/82544EI/GC 82544GC/82540EM/82546EB	e1000.o	
LinkSys (ADM983) 10/100 Ethernet	tulip.o	LinkSys Etherfast 10/100 LNE100TX version 4.1
NE1000 / NE2000 (non-pci)	ne.o	NE1000/2000 and compatible ISA cards

<b>Device Name</b>	<b>Module Name</b>	<b>Model Names Supported</b>
PCI NE2000 cards RealTEk RTL-8029, Winbond 89C940, Compex RL2000, KTI ET32P2, NetVin NV5000SC, Via 82C926, SureCom NE34	ne2k-pci.o	NE2000 (PCI), RealTEk RTL-8029, Winbond 89C940, Compex RL2000, KTI ET32P2, NetVin NV5000SC, Via 82C926, SureCom NE3
RedCreek Communications PCI	rcpci.o	RedCreek Communications PCI
RealTek cards using RTL8129or RTL8139 Fast Ethernet chipsets	8139too.o	RealTek cards using RTL8129 or RTL8139 Fast Ethernet chipsets
SiS 900 PCI	sis900.o	Silicon Integrated System Corporation SiS 900 PCI Fast Ethernet
VIA Rhine PCI Fast Ethernet cards witheither the VIA VT86c100A Rhine-II PCI or 3043 Rhine-I;D-Link DFE-530-TX PCI 10/100	via-rhine.o	D-Link DFE-530-TX PCI 10/100, VIA Rhine PCI Fast Ethernet cards with either the VIA VT86c100A Rhine-II PC or 3043 Rhine-I

## 2.2 Somewhat Compatible

Device Name	Module Name	Model Names Supported
NI5210 card (i82586 Ethernet chip)	ni52.o	NI5210 card (i82586 Ethernet chip)
NI6510, ni6510 EtherBlaster	ni65.o	NI6510, ni6510 EtherBlaster
Novell NE3210 EISA Network Adapter	ne3210.o	Novell NE3210 EISA Network Adapter
Packet Engines Yellowfin Yellowfin G-NIC	yellowfin.o	Yellowfin (and Compatibles) Yellowfin Gigabit G-NIC
Intel i82595 ISA EtherExpressPro10/10+ driver	eeopro.o	Intel EtherExpress i82595 Pro10/10+ (ISA only)
MiCom-Interlan NI5010 ethercard	ni5010.o	MiCom-Interlan NI5010 ethercard
Digi Intl. RightSwitch SE-X EISA and PCI	dgrs.o	Digi Intl. RightSwitch SE-X EISA and PCI
EtherWORKS 3 (DE203, DE204and DE205)	ewrk3.o	EtherWORKS 3 (DE203, DE204, and DE205)
Fujitsu FMV-181/182/183/184	fmv18x.o	Fujitsu FMV-181/182/183/184
Sangoma S502/S508 multi-protocol FR Sangoma S502A, ES502A, S502E, S503,S507, S508, S50	sdla.o sdladv.o	Sangoma S502/S508 multi-protocol FR Sangoma S502A, ES502A, S502E, S503, S507, S508, S509
SMC EtherPower II 9432 PCI(83c170/175 EPIC series)  SMC Ultra and SMC EtherEZ ISA ethercard (8K, 83c790) SMC Ultra32 EISA ethernet card (32K) SMC 9000 series of ethernet cards	epic100.o  smc-ultra.o smc-ultra32.o smc9194.o	SMC EtherPower II 9432 PCI (83c170/175 EPIC series) SMC Ultra / EtherEZ (ISA, 8k 83c790) SMC Ultra32 EISA (32K) SMC 9000 series
Tangent ATB-II Novel NL-10000, Daystar Digital LT-200, Dayna DL2000, DaynaTalk PC (HL) COPS LT-95, Farallon PhoneNET PC II & III	cops.o	Tangent ATB-II, Novel NL-10000, Daystar Digital LT-200, Dayna DL2000, DaynaTalk PC (HL), COPS LT-95, Farallon PhoneNET PC II & III
PureData PDUC8028,WD8003 and WD8013 "compatible" ethercards	wd.o	Western Digital WD8003, WD8013
3Com 3c501 3Com ISA EtherLink XL	3c501 3c515.o	3Com 3c501 3Com 5c515
SB1000	sb1000.o	General Instruments SB1000
4021, 4012	sealevel.o	SeaLevel Systems Z85230 Synchronous Driver

### 3 SCSI & RAID Controllers

#### 3.1 Fully Compatible

Device Name	Module Name	Model Names Supported
FlashPoint Series PCI Host Adapters: FlashPoint LT (BT-930) Ultra SCSI-3, FlashPoint LT (BT-930R) Ultra SCSI-3 with RAIDPlus, FlashPoint LT (BT-920) Ultra SCSI-3 (BT-930 without BIOS), FlashPoint DL (BT-932) Dual Channel Ultra SCSI-3, FlashPoint DL (BT-932R) Dual Channel - Ultra SCSI-3 with RAIDPlus, FlashPoint LW (BT-950R) Wide Ultra SCSI-3 with RAIDPlus, FlashPoint DW (BT-952) Dual Channel Wide Ultra SCSI-3 , FlashPoint DW (BT-952R) Dual Channel Wide Ultra-SCSI-3 with RAIDPlus;	BusLogic.o	BusLogic
MultiMaster "W" Series Host Adapters: BT-948 PCI Ultra SCSI-3, BT-958 PCI Wide Ultra SCSI-3, BT-958D PCI Wide Differential Ultra SCSI-3;	BusLogic.o	BusLogic
MultiMaster "C" Series Host Adapters: BT-946C PCI Fast SCSI-2, BT-956C PCI Wide Fast SCSI-2, BT-956CD PCI Wide Differential Fast SCSI-2, BT-445C VLB Fast SCSI-2, BT-747C EISA Fast SCSI-2, BT-757C EISA Wide Fast SCSI-2, BT-757CD EISA Wide Differential Fast SCSI-2, BT-545C ISA Fast SCSI-2, BT-540CF ISA Fast SCSI-2;	BusLogic.o	BusLogic
MultiMaster "S" Series Host Adapters: BT-445S VLB Fast SCSI-2, BT-747S EISA Fast SCSI-2, BT-747D EISA Differential Fast SCSI-2, BT-757S EISA Wide Fast SCSI-2, BT-757D EISA Wide Differential Fast SCSI-2, BT-545S ISA Fast SCSI-2, BT-542D ISA Differential Fast SCSI-2, BT-742A EISA SCSI-2 (742A revision H), BT-542B ISA SCSI-2 (542B revision H);	BusLogic.o	BusLogic
MultiMaster "A" Series Host Adapters: BT-742A EISA SCSI-2 (742A revisions A - G), BT-542B ISA SCSI-2 (542B revisions A - G); some AMI FastDisk Host Adapters	BusLogic.o	BusLogic
ABP510, ABP5150, ABP5140, ABP5142, ABP902, ABP915, ABP920, ABP930, ABP930U, ABP930UA, ABP960, ABP960U, ABP542, ABP742, ABP842, ABP940, ABP940U, ABP940UA, ABP970, ABP970U, ABP940UW, ABP970UW, ABP752, ABP852, ABP950, ABP950UW, ABP980, ABP980U, ABP980UA	advansys.o	Advansys

Device Name	Module Name	Model Names Supported
Adaptec Cards: AHA-274x AHA-274xT AHA-2842 AHA-2910B AHA-2920C AHA-2930 AHA-2930U AHA-2930U2 AHA-2930CU AHA-2940 AHA-2940W AHA-2940U AHA-2940UW AHA-2940UW-PRO AHA-2940AU AHA-2940U2W AHA-2940U2 AHA-2940U2B AHA-2940U2BOEM AHA-2944D AHA-2944WD AHA-2944UD AHA-2944UWD AHA-2950U2 AHA-2950U2W AHA-2950U2B AHA-294160M AHA-3940 AHA-3940U AHA-3940W AHA-3940UW AHA-3940AUW AHA-3940U2W AHA-3950U2B AHA-3950U2D AHA-3960D AHA-39160M AHA-3985 AHA-3985U AHA-3985W AHA-3985UW (NOT the AHA-2920 w/Future Domain chipset. NOT the AAA-13X RAid Adapter. NOT AAA-113x RAid Port Card)	aic7xxx.o	Adaptec
Motherboard Chipsets: AIC-777x AIC-785x AIC-786x AIC-787x AIC-788x AIC-789x AIC-3860 (NOT the AIC-7810)	aic7xxx.o	Adaptec
GDT EISA controllers GDT3000/3020 GDT3000A/3020A/3050A GDT3000B/3010A GDT ISA controllers GDT2000/2020	gdth.o	ICP Disk Array Controllers
GDT_PCI: GDT60x0 (GDT6000/6020/6050), GDT6000B/6010 GDT PCI GDT6x10 (GDT6110/6510) GDT6x20 (GDT6120/6520), GDT6530, GDT6550 GDT PCI, wide/ultra SCSI controllers GDT6x17 (GDT6117/6517), GDT6x27 (GDT6127/6527), GDT6537, GDT6557 (GDT6557/6557-ECC) GDT PCI wide SCSI controllers GDT6x15 (GDT6115/6515), GDT6x25 (GDT6125/6525), GDT6535, GDT6555/6555-ECC GDT MPR, RP series, wide/ultra SCSI GDT6x17RP (GDT6117RP/GDT6517RP), GDT6x27RP (GDT6127RP/GDT6527RP), GDT6537RP, GDT6557RP GDT MPR, RP series, narrow/ultra SCSI GDT6x11RP (GDT6111RP/GDT6511RP), GDT6x21RP (GDT6121RP/GDT6521RP)	gdth.o	ICP Disk Array Controllers



Device Name	Module Name	Model Names Supported
GDT MPR, RD series, wide/ultra SCSI GDT6x17RD, GDT6117RD/GDT6517RD), GDT6x27RD, GDT6127RD/GDT6527RD), GDT6537RD, GDT6557RD GDT MPR, RD series, narrow/ultra SCSI GDT6x11RD (GDT6111RD/GDT6511RD), GDT6x21RD (GDT6121RD/GDT6521RD) GDT MPR, RD series, wide/ultra2 SCSI GDT6x18RD (GDT6118RD/GDT6518RD/GDT6618RD), GDT6x28RD (GDT6128RD/GDT6528RD/GDT6628RD), GDT6x38RD (GDT6538RD/GDT6638RD), GDT6x58RD (GDT6558RD/GDT6658RD) GDT_MPR, RN series (64-bit PCI), wide/ultra2 SCSI GDT7x18RN (GDT7118RN/GDT7518RN/GDT7618RN), GDT7x28RN (GDT7128RN/GDT7528RN/GDT7628RN), GDT7x38RN (GDT7538RN/GDT7638RN), GDT7x58RN (GDT7558RN/GDT7658RN) RD series, Fibre Channel GDT6x19RD (GDT6519RD/GDT6619RD), GDT6x29RD (GDT6529RD/GDT6629RD) RN series (64-bit PCI), Fibre Channel GDT7x19RN (GDT7519RN/GDT7619RN) GDT7x29RN (GDT7529RN/GDT7629RN) GDTMAXRP	gdth.o	ICP Disk Array Controllers
ITI-6200U2 Dual Channel Ultra2 SCSI Host Adapter (uses the NCR53C896 chipset)	ncr53c8xx.o	Intraserter SCSI Host Adapter
Tekram DC390 and other AMD53C974A based PCI SCSI adapters	dc395x_trm.o	
Tekram DC-390U3W	sym53c8xx.o	

## RAID

Device Name	Module Name	Model Names Supported
3Ware ATA-RAID	3w-xxxx.o	3Ware 7000 series in RAID mode
Adaptec RAID Subsystem HBA	aacraid.o	Adaptec 7899 in RAID mode
Adaptec 2000s/2005s/2100s/2010s/2110s/ 2120s/2200s/3200s/3210s/3410s RAID Controller	dpti2o.o	
AMI MegaRAID 418, 428, 438, 466, 762, 467, 490	megaraid.o	
Compaq SMART2 (Integrated Array, Smart Array 4200/4250ES/431/LC2/3200/221/3110ES) Compaq SMART-2 SL 2/P 2/E Compaq IAES/IDA-2/IDA	cpqarray.o	
Compaq Smart Array Controller 5300/5i/5312/532/5302/5304	cciss.o	
Dell PowerEdge 2/Sc and 2/Dc Expandable RAID Controller Dell PowerEdge Perc 3/DC, 3/QC, 3/SC and 3/DC RAID Controller Dell PowerEdge Perc 4/SC, 4/DC, 4/Di, 4/Im, and 4/QC	megaraid.o	AMD MegaRAID
Dell PowerEdge 2/Si, 3/Di, 3/Si, Expandable RAID Controller Dell PowerEdge PERCRAID Controller	aacraid.o	Adaptec AACRAID
IBM ServeRAID, II, 3H, 3L, 4M, 4L, 4Mx, 4Lx, 4H, and 5i	ips.o	
Intel Corporation 80960RP	megaraid.o	Intel i960RP Microcontroller
LSI Logic PCI-X Fusion-MPT Dual Ultra320 SCSI LSI Logic LSI U320 SCSI Controller	megaraid.o	
Mylex DAC960/DAC1100 PCI RAID eXtremeRAID 1100 (DAC1164P) (need firmware v5.06-0-52 or above) AcceleRAID 250 (DAC960PTL1) (need firmware v 4.06-0-57 or above) AcceleRAID 200 (DAC960PTL0) (need firmware v 4.06-0-57 or above) DAC960PJ, DAC960PG, (need firmware v4.06-0-00 or above) DAC960PU, DAC960PD, DAC960PL (need firmware v 3.51-0-04 or above)	DAC960.o	
Symbios Logic 53c1510 Array Mode	cpqarray.o	

### 3.2 Somewhat Compatible

Device Name	Module Name	Model Names Supported
ACARD ATP870U	atp870u.o	ACARD ATP870U Series
AHA 152x	aha152x.o	Adaptec AHA-152x
AHA 1542	aha1542.o	Adaptec 1542
AHA 1740	aha1740.o	Adaptec AHA-174x
Always IN2000 ISA SCSI card	in2000.o	Always IN2000
AM53/79C974 PC-SCSI Driver, Qlogic PCI-Basic	AM53C974.o	AM
Data Technology Corp DTC3180/3280	dtc.o	EATA
DPT SCSI host adapters (EATA/DMA),PM2011B/9X ISA, PM2021A/9X ISA,PM2012A, PM2012B,PM2022A/9X EISA, PM2122A/9X,PM2322A/9X,SmartRAID PM3021, PM3222, PM3224	eata.o	EATA
DPT SCSI Adapters PM2011, PM2021, PM2041, PM3021, PM2012B, PM2022, PM2122, PM2322, PM2042, PM3122, PM3222, PM3332, PM2024, PM2124, PM2044, PM2144, PM3224, PM3334	eata_dma.o	Eata
DPT EATA-PIO boards	eata_pio.o	Eata
Future Domain TMC-1800, TMC-18C50, TMC-18C30, TMC-36C70, TMC-1650, TMC-1660, TMC-1670, TMC-1680, TMC-1610M/MER/MEX, TMC-3260 (PCI) Quantum ISA-200S, ISA-250MG Adaptec AHA-2920A (PCI) (NOT AHA-2920C)	fdomain.o	Future Domain
GDT ISA/EISA/PCI Disk Array Controller	gdth.o	GDT
Initio INI-9X00U/UW SCSI host adapters	initio.o	
NCR SCSI controllers with 810, 810A, 815,825, 825A, 860, 875, 895, 896 chipsets.Intraserv ITI-6200U2 Dual Channel Ultra2 SCSI Host Adapter	ncr53c8xx.o	NCR Chipsets
High Performance Symbios NCR driver for 810A, 825A, 860, 875,895, 895A, 896	sym53c8xx.o	NCR Chipsets
NCR 406A	NCR53c406a.o	NCR 53c406A
Cards with the sym53c416 chipset	sym53c416.o	
UltraStor 14F/34F SCSI host adapters(14F, 24F, 34F)	u14-34f.o	Ultrastor
UltraStor 14F, 24F, and 34F	ultrastor.o	Ultrastor
Trantor T128/T128F/T228 SCSI Adapter	t128.o	Trantor T128, T128F, T228
Perceptive Solutions PSI-240I EIDE	psi240i.o	Perceptive
NCR5380 and NCR53c400 cards	g_NCR5380.o	
NCR53c810/820/720, NCR53c700/710/700-66	53c7,8xx.o	
QLogic Fast SCSI FASXXX ISA/VLB/PCMCIA	qlogicfas.o	
QLogic ISP2100 SCSI-FCP	qlogicfc.o	
QLogic ISP1020 Intelligent SCSI cards IQ-PCI, IQ-PCI-10, IQ-PCI-D	glogicisp.o	
Pro Audio Spectrum/Studio 16	pas16.o	
Future Domain TMC-885, TMC-950	seagate.o	
Seagate ST-01, ST-02	seagate.o	

Device Name	Module Name	Model Names Supported
WD7000-FASST2,WD7000-ASC,WD7000-AX/MX/EX	wd7000.o	
Various removable ATAPI devices (such as IDE Zip drives)	ide-scsi.o	

## RAID

Device Name	Module Name	Model Names Supported
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**NOTE:** If problems occur with installing on a megaraid controller, check the firmware version. It may need to be updated (look for "scsi: aborting command due to timeout" in the install log).

## 4 IDE Controllers

### 4.1 Fully Compatible

Most major IDE controllers found embedded onto the systems motherboard are fully compatible. Additionally the following add-on IDE cards are supported.

Device Name	Module Name	Model Names Supported
PDX20246 Ultra33 EIDE Controller PDC20262 Ultra66 EIDE Controller PDC20265 Ultra100 on Motherboard PDC20267 Ultra100 PDC20268 Ultra100 TX2 PDC20269 Ultra133 TX2 PDC20275 MBUltra133	in kernel	Promise Technology
DC5030 EIDE Controller	in kernel	Promise Technology
HPT343/345 UDMA EIDE Controller	in kernel	Triones Technology, Inc.
HPT366/368 UDMA66 EIDE Controller	in kernel	Triones Technology, Inc.
HPT370 UDMA100 EIDE Controller	in kernel	Triones Technology, Inc.

**NOTE:** Both the Promise and HPT cards have RAID support but RAID on these cards is not supported in EnGarde at this time.

### 4.2 Somewhat Compatible

Device Name	Module Name	Model Names Supported
DC4030VL-2/VL-1/VL	in kernel	Promise Techonology

Some recent UDMA/133 controllers may have some compatibility issues.

## **5 Tape Drives**

Most SCSI and IDE tape drives are fully compatible, assuming they are attached to a compatible SCSI/IDE adapter.

Parallel and USB tape drives are *not* currently compatible.

## **6 USB Devices**

Most USB controllers found on all major brand motherboards are supported.

Additionally any USB keyboards and USB printers supported by Linux are also compatible with EnGarde.

EnGarde supports USB CD-ROM drives at installation time if the BIOS supports booting to a USB CD-ROM.

**NOTE:** EnGarde will not install from a USB CD-ROM drive if booted from a floppy disk.