

- Upgradable half-slot design
- On-board processor for reduced SCSI and CPU overhead
- Connectors for both Wide and 8-bit devices allow you to easily attach and run both types of devices simultaneously
- SCSI, SCSI-2, SCSI-3 and Fast Wide SCSI support with active termination
- SCSI Plug and Play compatible with SCAM level 2 support for auto device identification plus auto adapter termination
- Supports up to 20MB/s Fast Wide synchronous SCSI transfers
- Overlapped I/O and tagged command queuing for increased SCSI performance
- SmartPower™ feature reduces energy consumption during extended idle periods
- Hardware cache and RAID upgradable via single, optional add-on module. Module supports up to 64MB of hardware cache and RAID levels 0, 1 and 5.
- Optional error correcting memory and data path protection
- ASPI protocol support for universal connectivity with third-party applications
- Full 3-year warranty with unlimited free lifetime technical support
- Includes Storage Manager™ software for easy installation, RAID setup & maintenance, advanced storage diagnostics and performance tuning

# Specifications

## PM2144W

<b>Host Interface</b> .....	32-bit PCI
<b>On-board CPU</b> .....	68020/20MHz
<b>Max Host Transfer Rate</b> .....	132MB/s
<b>SCSI Interface</b> .....	SCSI, SCSI-2, SCSI-3, Fast, Wide, Scatter/Gather, Command Queuing, Disconnect/Reconnect
<b>Max SCSI Transfer Rate</b> .....	20MB/s Fast Wide Synchronous
<b>SCSI Bus</b> .....	16-bit single-ended, Active Termination
<b>Maximum Cache*</b> .....	64MB
<b>RAID Support*</b> .....	0, 1 & 5 (Dual Level)
<b>Internal Port</b> .....	68-pin high density, 50-pin low density
<b>External Port</b> .....	68-pin high-density

\* with optional RC4040 or RC4041 module

## OS Driver Support

Operating System	Driver in OS Supports:			PCI Driver included with HBA
	PCI	EISA	ISA	
Novell NetWare Version 3.12, 4.02 and 4.1 .....	✓	✓	✓	✓
Novell NetWare Version 4.11 .....	✓	✓	✓	✓
IBM OS/2 Version 2.1 .....	✓	✓	✓	✓
IBM OS/2 WARP Version 3 and up .....	✓	✓	✓	✓
IBM AIX Version 4.1 and up (PM3334UW-AIX only) .....	N/A	N/A	✓	✓
Microsoft Windows Version 3.1 and up** .....	✓	✓	✓	✓
Microsoft Windows NT Version 3.51 and up .....	✓	✓	✓	✓
Microsoft Windows 95 .....	✓	✓	✓	✓
SunSoft Solaris Version 2.4 (DU7) and up .....	✓	✓	✓	✓
SunSoft Solaris Version 2.5 and up .....	✓	✓	✓	✓
SunSoft Interactive Version 4.1 (MU1) and up .....	✓	✓	✓	✓
SCO Unix System v4.2 / ODT 3.0 .....	✓	✓	✓	✓*
SCO Open Server 5 .....	✓	✓	✓	✓*
SCO UnixWare Version 2.0 and up .....	✓	✓	✓	✓
NeXT NEXTSTEP for Intel Processors Release 3.3 .....	✓	✓	✓	✓
OPENSTEP for Mach Intel Processors Release 4.0 .....	✓	✓	✓	✓
Banyan VINES 5.54(6) .....	✓	✓	✓	✓
Banyan VINES 6.0 and up .....	✓	✓	✓	✓
Theos 32 Version 4 and up .....	✓	✓	✓	✓
PICK AP/Native Version 5.2.5.81 and up** .....	✓	✓	✓	✓
PICK AP/PRO Version 6.1.15.113 and up** .....	✓	✓	✓	✓
Citrix WinFrame for Networks 1.5 and up .....	✓	✓	✓	✓
Apple MAC OS 7.5.1 and up (PCI only)** .....	✓	N/A	N/A	✓
MUMPS** .....	✓	✓	✓	✓
MS DOS 3.3, 4.01, 5.0, 6.x and up** .....	✓	✓	✓	✓
PC DOS 7.0** .....	✓	✓	✓	✓
Novell DOS 7** .....	✓	✓	✓	✓
CCI Concurrent DOS V3.06** .....	✓	✓	✓	✓
CCI Multiuser DOS 7 Gold** .....	✓	✓	✓	✓
LINUX Version 2.0 and up .....	✓	✓	✓	✓
BSDi BSD/OS Version 2.01 and 2.1*** .....	✓	✓	✓	✓
BSDi BSD/OS Version 3.0 and up .....	✓	✓	✓	✓

Drivers for older operating system vendors are available from DPT.

\* Updated driver available from OS Vendor in AHS update.

\*\* Drivers included in on-board BIOS ROM.

\*\*\* Drivers available on Tech Support BBS, web site, or ftp site (ftp.dpt.com) only.

► Turn your DPT SCSI adapter into the world's fastest caching host adapter with DPT's add-on modules – and get hardware RAID support free!

### RAID/Caching Modules

SmartCache IV is the industry's only half-size SCSI adapter which is upgradable to caching and RAID via a unique docking connection. The RC4040 or RC4041 module attaches to any SmartCache IV adapter adding support for hardware RAID levels 0, 1 and 5.

#### RC4040 RAID/Caching Module

The RC4040 module attaches end-to-end and provides four SIMM sockets for up to 64MB of cache via standard 72-pin SIMMs or DPT SmartCorrect™ ECC-protected SIMMs.



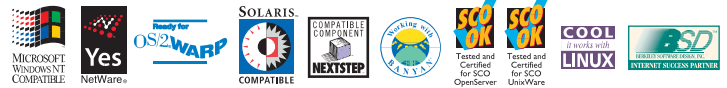
#### RC4041 RAID/Caching Module

The RC4041 attaches to the end of the SmartCache IV adapter and overlays the card. The RC4041 provides two DIMM sockets for up to 32MB of cache via standard DIMMs or DPT's SmartCorrect™ ECC-protected DIMMs.



### SmartCorrect ECC Memory

DPT's 4MB and 16MB ECC-protected SIMMs and DIMMs detect and correct data errors in cache. When used with supported drives, SmartCorrect technology extends the ECC protection across the SCSI bus and protects against data corruption caused by hot-plugging drives.



#### Corporate Headquarters

140 Candace Drive  
Maitland, FL 32751  
407/830-5522  
FAX 407/260-5366  
Sales FAX 407/260-6690  
BBS 407/831-6432  
http://www.dpt.com

#### Northern Europe

494 Midsummer Blvd.  
Central Milton Keynes  
MK9 2EA United Kingdom  
44(0)1908-233951  
FAX 44(0)1908-230837

#### Southern Europe

Obermarkt 11  
82515 Wolfratshausen, Germany  
49(0)8171 43190  
FAX 49(0)8171 431929

#### DPT Japan (JTI)

Sakurai Bldg. 6F  
2-7-4 Higashi-Ikebukuro,  
Toshima-Ku,  
Tokyo, Japan  
Tel (81) 3-5951-4302  
FAX (81) 3-5951-4304

