

Pro Tools | 24 Product Family Compatibility

Supported Hardware, Current Digidesign Software, and CPU Configurations

Pro Tools | 24 MIX Systems for Power Macintosh

3401-A Hillview Avenue

Palo Alto, CA 94304 U.S.A.

Tel 650.842.7900

Fax 650.842.7999

Digidesign PCI Cards

Supplied with System:

- MIX Core
- MIX Farm (with MIXplus only)

Other Options:

- DSP Farm¹¹
- MIX Farm⁶
- MIX I/O⁷
- SampleCell II Plus
- SampleCell II TDM Module

Digidesign Audio Interfaces

- 888 | 24 I/O
- 888 I/O
- 882 | 20 I/O
- 882 I/O
- ADAT Bridge I/O

Required Software Components

- Pro Tools 4.3.1
- DAE 3.4.2 & DigiSystem INIT 3.4.2
- TDM Mixer Plug-In 1.7.2

Third-Party MIDI Controllers

- Mackie HUI Controller²⁵
- JL Cooper CS10 series
- Penny and Giles DC-16/MM-16
- Peavey PC-1600²⁵

Third-Party Expansion Chassis^{18,19,25}

13 Slot

- Bit 3 model DD23
- Bit 3 models 240-2-2 & 240-2-201
- Magma model PCI-13-RX-400V²¹

7 Slot²²

- Bit 3 model DD22-1
- Bit 3 model 2101-00-2¹⁶
- Magma model PCI-7-RX-300V²⁰

Expansion Chassis Requirements

- Chassis must have 3.3 volt power supply
- Chassis PCI bridge chips must be compliant with the PCI 2.1 specification
- Bit 3 (7) Slot with 1998 G3 requires that G3 uses new Apple "Silk" ROM²⁴

Third-Party Video Capture Cards

- Aurora Fuse (firmware v1.8.1 or higher)
- Radius VideoVision PCI/ML^{2,4}
- Pinnacle miroMOTION DC-20
- Pinnacle miroMOTION DC-30 (firmware v1.1.1 or higher)
- Pinnacle miroMOTION DC-30 Plus (firmware v1.1.2 or higher)

Third-Party Video Recorder/Players²⁶

- Rorke VMOD²⁵
- Doremi V-1²⁵

Optional Digidesign Software

- Bruno/Reso 1.0
- DINR 3.2.1³⁴
- DPP-1 1.5.1
- D-Verb 1.6.2
- D-Fi 1.3.1
- D-fx 1.1.1
- Focusrite d2 1.4.2
- Focusrite d3 1.2.2
- MachineControl 1.0.1
- Maxim 1.1.1
- MasterList CD 2.2³⁶
- PostConform 1.1
- SampleCell Editor 2.1.1(w/SampleCell II Plus)
- SampleCell-TDM 1.1.1(w/ TDM Module)
- SoundReplacer 1.0

Optional Digidesign Hardware

- ProControl
- SMPTe Slave Driver (w/SSD Setup 1.31 or higher)
- Video Slave Driver
- Universal Slave Driver

Supported CPU Models & Speeds

Apple Computer

- Power Macintosh G3 (1999 model)^{3,4,10,15,17,35} all speeds
- Power Macintosh G3 (1998 model)^{3,4,10,15,17} all speeds
- Power Macintosh 9600^{15,17} 200 MHz or higher
- Power Macintosh 9500^{15,17} all speeds
- Power Macintosh 8600 all speeds

Power Computing

- Power Tower Pro^{15,17} all speeds

Computer Requirements³⁵

- System Software: Mac OS v8.1, v8.5.1¹⁴ or v8.6¹⁴
- Storage: Qualified SCSI disk drive(s) (refer to "Pro Tools Qualified Drives" document)
- Total System RAM: 128 MB minimum (Additional RAM required for simultaneous use with MIDI sequencers. Virtual memory is not supported)
- Color required; 14" minimum; 17" or larger recommended
- Opcode OMS v2.3.4 or higher (supplied)
- Apple QuickTime v3.0 or higher (supplied)
- FWB Hard Disk ToolKit PE (HDT PE) v3.0.2 or higher (supplied)³

SCSI Accelerator Cards^{1,35}

- Adaptec Power Domain 2940UW (Single Channel)
- Adaptec Power Domain 2940U2W (Single Channel)
- Adaptec Power Domain 3940UW (Dual Channel)
- ATTO Express PCI Single Channel
- ATTO Express PCI Dual Channel

Product Information

United States

1.800.333.2137

North & South America

650.842.6602 (USA)

Europe (England)

44.1753.658496

Asia (Japan)

81.3.3505.7963

Pro Tools | 24 MIX Systems Configuration Grid for Power Macintosh

The following grid shows supported Pro Tools | 24 MIX configurations and each configuration's expansion capability:

Computer	Supports Core System Internally	Supports Bit 3 (7) Slot Chassis	Supports Bit 3 (13) Slot Chassis	Supports Magma (7) or (13) Slot Chassis	Exceptions
Apple G3 All Speeds (1999 model only) (Tower/Desktop)	YES	YES	YES	YES	Optional SCSI accelerator bundle (by Apple) and Radius VideoVision not supported ^{3,4,35}
Apple G3 333/300/266/233 MHz (1998 model only) (Tower/Desktop)	YES	YES	YES	YES	Optional SCSI accelerator bundle (by Apple) and Radius VideoVision not supported ^{3,4}
Apple 9600 350/300/233/200 MHz	YES	YES	YES	YES	
Apple 9500 all speeds	YES (150 MHz or higher for more than 32 tracks)	YES (150 MHz or higher for more than 32 tracks)	YES (150 MHz or higher for more than 32 tracks)	YES (150 MHz or higher for more than 32 tracks)	
Power Tower Pro all speeds	YES	YES	YES	YES	
Apple 8600 all speeds	Up to 32 tks only	NO	NO	NO	No SCSI Accelerator or Video Capture card support

Maximum Performance Guidelines for Pro Tools | 24 MIX and MIXplus Systems:

32–64 track performance with Pro Tools | 24 MIX and MIXplus systems requires the following configuration:

- Compatible SCSI Accelerator card
- Two Pro Tools-qualified hard drives, minimum, three recommended
- Total System RAM: 192MB recommended, 256 MB preferred

With 9600, 9500, Power Tower Pro and 8600 computers, the following configurations also yield up to 32 track performance. (G3 computers do not include a Fast SCSI bus or separate internal and external SCSI busses)

- Use of a combination of Pro Tools-qualified hard drives connected to the CPU's internal and external SCSI busses*
- Use of two or more qualified hard drives connected to the CPU's internal Fast SCSI Bus

When using QuickTime movies with Pro Tools | 24 MIX systems, for reliable performance of 16 or more audio tracks, audio drives should be connected to a compatible SCSI accelerator, with video drives connected to the Macintosh internal (preferred) or external bus.

* Digidesign recommends that internally mounted drives are installed according to the drive manufacturer's guidelines.

Pro Tools | 24 Product Family Compatibility

Supported Hardware, Current Digidesign Software, and CPU Configurations

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Palo Alto, CA 94304 U.S.A.

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Fax 650.842.7999

Pro Tools | 24 MIX Systems for Windows NT

Digidesign PCI Cards

Supplied with System

MIX Core
MIX Farm (with MIXplus only)

Other Options

DSP Farm¹¹
MIX Farm⁶
SampleCell II Plus (Installer currently requires SP3)
SampleCell II TDM Module

Digidesign Audio Interfaces

888 | 24 I/O
888 I/O
882 | 20 I/O
882 I/O
ADAT Bridge I/O

Required Software Components

Pro Tools 4.2.6 for Windows NT

Third-Party MIDI Controllers

Mackie HUI Controller²⁵
JL Cooper CS10 series (MIDI model only)
Penny and Giles DC-16/MM-16
Peavey PC-1600²⁵

Third-Party Expansion Chassis³⁸

13 Slot

Bit 3 model DD23^{11,15,18,25}
Bit 3 models 240-2-2 & 240-2-201^{11,15,18,25}

Expansion Chassis Requirements

- Chassis must have 3.3 volt power supply
- Chassis PCI bridge chips must be compliant with the PCI 2.1 specification

Third-Party Video Recorder/Players²⁶

Rorke VMOD²⁵
Doremi V-1²⁵

Optional Digidesign Software

Bruno/Reso 1.0
DINR 3.2³⁴
D-Fi 1.3
D-fx 1.1
Focusrite d2 1.4.1
Focusrite d3 1.2.1
MachineControl 1.0.1
Maxim 1.1
DPP-1 1.5
D-Verb 1.6.2

Optional Digidesign Hardware

Universal Slave Driver
Video Slave Driver
SMPTE Slave Driver (via a MIDI interface only)

Computer Requirements

- Computer Qualified for 32-64-Track Performance
 - IBM Intellistation M Pro - model 6889
- Minimum Computer Requirements*
 - Intel Pentium III CPUs^{12,38} - 450, 500, or 550 MHz
 - Intel Pentium II CPUs¹² - 233, 266, 300, 350, 400, or 450 MHz
 - Intel 440LX or 440BX chipsets only
 - PCI slot w/3.3 volt power supply for each MIX Farm/Core card¹³
 - AGP Video card strongly recommended (ATI, Matrox, STB, nVidia, or Diamond)
 - BIOS - Phoenix or Award
- System Software: Windows NT Workstation v.4.0 with Service Pack 3 or Service Pack 4³⁷ (double-byte of character versions of NT are not supported ie. Japanese NT, Chinese NT, Arabic NT etc.)
- Storage: Qualified SCSI disk drive(s) (refer to "Pro Tools Qualified Drives" Document)
- Total System RAM: 128 MB minimum
- SCSI Host Adapter
 - Adaptec 2940UW PCI card with BIOS 1.3x or higher
 - Adaptec 3940UW PCI card with BIOS 1.3x or higher
 - Integrated Adaptec AIC-78xx chipsets with BIOS 1.3x or higher
- Computer Monitor: Color required; 17" monitor, 800 x 600 (minimum); 1024 x 768 (recommended)

Product Information

United States

1.800.333.2137
North & South America
650.842.6602 (USA)

Europe (England)

44.1753.658496

Asia (Japan)

81.3.3505.7963

Maximum Performance Guidelines for Pro Tools | 24 MIX Systems:

32-64 track performance with Pro Tools | 24 MIX on Windows NT requires:

- IBM Intellistation M Pro - model 6889
- Total System RAM: 192 MB minimum, 256 MB recommended
- Use of two or more qualified hard drives connected to a qualified Host Adapter

*Systems adhering to the Minimum Computer Requirements are currently qualified for 32 track performance. While they may be able to provide 32-64 track performance, they cannot be guaranteed to do so at this time.

Pro Tools | 24 Product Family Compatibility

Supported Hardware, Current Digidesign Software, and CPU Configurations

Pro Tools | 24 System for Power Macintosh

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Palo Alto, CA 94304 U.S.A.

Tel 650.842.7900

Fax 650.842.7999

Digidesign PCI Cards

Supplied with System

d24 Audio card
DSP Farm

Other Options

DSP Farm
MIX Farm ^{6,9}
SampleCell II Plus
SampleCell II TDM Module

Optional Digidesign Software

Focusrite d2 1.4.2	Bruno/Reso 1.0
Focusrite d3 1.2.2	DINR 3.2.1
MachineControl 1.0.1	DPP-1 1.5.1
Maxim 1.1.1	D-Verb 1.6.2
MasterList CD 2.2 ³⁶	D-Fi 1.3.1
PostConform 1.1	D-fx 1.1.1
SampleCell Editor 2.1.1(w/SampleCell II Plus)	
SampleCell-TDM 1.1.1(w/ TDM Module)	
SoundReplacer 1.0	

Digidesign Audio Interfaces

888 | 24 I/O
888 I/O
882 | 20 I/O
882 I/O
ADAT Bridge I/O

Optional Digidesign Hardware

Pro Tools | 24 Expansion Kit (see pg 5 for details) ⁸
ProControl
SMPTE Slave Driver (w/SSD Setup 1.31 or higher)
Video Slave Driver
Universal Slave Driver

Product Information

United States

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North & South America

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Required Software Components

Pro Tools 4.3.1
DAE 3.4.2 & DigiSystem INIT 3.4.2
TDM Mixer Plug-In 1.7.2

Third-Party MIDI Controllers

Mackie HUI Controller ²⁵
JL Cooper CS10 series
Penny and Giles DC-16/MM-16
Peavey PC-1600 ²⁵

Supported CPU Models & Speeds

Apple Computer

Power Macintosh G3 (1999 model) ^{3,4,10,15,17,35}	all speeds
Power Macintosh G3 (1998 model) ^{3,4,10,15,17}	333/300/266/233 MHz
Power Macintosh 9600 ^{15,17}	200 MHz or higher
Power Macintosh 9500 /9500mp ^{15,17}	all speeds
Power Macintosh 8600 ^{5,15,17}	all speeds
Power Macintosh 7300 ⁵	all speeds

Power Computing

Power Tower Pro ^{15,17} all speeds

Computer Requirements ³⁵

- System Software: Mac OS v8.1, v8.5.1¹⁴ or v8.6¹⁴
- Storage: Qualified SCSI disk drive(s)
(refer to "Pro Tools Qualified Drives" document)
- Total System RAM:
 - Pro Tools | 24: 64 MB minimum, 96 MB recommended
 - with PT | 24 Expansion Kit: 128 MB minimum
 (Additional RAM required for simultaneous use with MIDI sequencers. Virtual memory is not supported)
- Color required; 14" minimum; 17" or larger recommended
- Opcode OMS v2.3.4 or higher (supplied)
- Apple QuickTime v3.0 or higher (supplied)
- FWB Hard Disk ToolKit PE (HDT PE) v3.0.2 or higher (supplied) ³

SCSI Accelerator Cards^{1,35}

Adaptec Power Domain 2940UW (Single Channe)
Adaptec Power Domain 2940U2W (Single Channe)
Adaptec Power Domain 3940UW (Dual Channe)
ATTO Express PCI Single Channel
ATTO Express PCI Dual Channel

Third-Party Expansion Chassis ^{18,19,25}

13 Slot

Bit 3 model DD23
Bit 3 models 240-2-2 & 240-2-201
Magma model PCI-13-RX-400V ²¹

7 Slot

Bit 3 model DD22
Bit 3 model 2101-00-2 ¹⁶
Magma model PCI-7-RX-300V ²⁰

Expansion Chassis Requirements

Bit 3 (7) Slot chassis with G3 requires
PCI 2.1 compliant bridge chips

Third-Party Video Capture Cards

Aurora Fuse (firmware v1.8.1 or higher)
Radius VideoVision PCI/ML^{2,4}
Pinnacle miroMOTION DC-20
Pinnacle miroMOTION DC-30
(firmware v1.1.1 or higher)
Pinnacle miroMOTION DC-30 Plus
(firmware v1.1.2 or higher)

Third-Party Video Recorder/Players ²⁵

Rorke VMOD ²⁵
Doremi V-1 ²⁵

Pro Tools | 24 Configuration Grid

The following grid shows supported Pro Tools | 24 configurations and each configuration's expansion capability:

<u>Computer</u>	<u>Supports Core System Internally</u> Up to 32 Tracks	<u>Supports Bit 3 (7) or (13) Slot Chassis</u> Up to 32 Tracks + more slots for DSP Farms, SampleCell IIs	<u>Supports Magma (7) or (13) Slot</u> Up to 32 Tracks + more slots for DSP Farms, SampleCell IIs	<u>Supports Pro Tools 24 Exp. Kit</u> Up to 64 Tracks	<u>Supports Bit 3 (7) or (13) Slot Chassis</u> Up to 64 Tracks + more slots for DSP Farms, SampleCell IIs	<u>Supports Magma (7) or (13) Slot Chassis</u> Up to 64 Tracks + more slots for DSP Farms, SampleCell IIs	<u>Exceptions</u>
Apple G3 all speeds (1998 model only) (Tower/Desktop)	YES	YES	YES	Bit 3 (7) Slot Chassis w/PCI 2.1 Compliant Bridge Chips Only	Bit 3 (7) Slot Chassis w/PCI 2.1 Compliant Bridge Chips Only	YES	Optional SCSI accelerator bundled (by Apple) and Radius VideoVision not supported ^{3,4,35}
Apple G3 333/300/266/233 MHz (1998 model only) (Tower/Desktop)	YES	YES	YES	Bit 3 (7) Slot Chassis w/PCI 2.1 Compliant Bridge Chips Only	Bit 3 (7) Slot Chassis w/PCI 2.1 Compliant Bridge Chips Only	YES	Optional SCSI accelerator bundled (by Apple) and Radius VideoVision not supported ^{3,4}
Apple 9600 350/300/233/200 MHz	YES	YES	YES	YES	13 Slot Chassis Only	YES	
Apple 9500 all speeds	YES	YES	YES	150 MHz or higher	NO	NO	
Power Tower Pro all speeds	YES	YES	YES	YES			
Apple 8600 all speeds	YES	YES	NO	NO	NO	NO	No SCSI Accelerator or Video Capture card support
Apple 7300 all speeds	YES	NO	NO	NO	NO	NO	No SCSI Accelerator or Video Capture card support

Maximum Performance Guidelines for Pro Tools | 24 System:

32–64 track performance with Pro Tools | 24 requires the following configuration:

- Compatible SCSI Accelerator card
- Two Pro Tools-qualified hard drives, minimum, three recommended
- More than 32 tracks requires a Pro Tools | 24 Expansion Kit⁸ or upgrading to a Pro Tools | 24 MIX System by adding a MIX Farm card⁹

With 9600, 9500, Power Tower Pro and 8600 computers, the following configurations also yield up to 32 track performance. (G3 computers do not include a Fast SCSI bus or separate internal and external SCSI busses)

- Use of a combination of Pro Tools-qualified hard drives connected to the CPU's internal and external SCSI busses*
- Use of two or more qualified hard drives connected to the CPU's internal Fast SCSI Bus

When using QuickTime movies with Pro Tools | 24, for reliable performance of 16 or more audio tracks, audio drives should be connected to a compatible SCSI accelerator, with video drives connected to the Macintosh internal (preferred) or external bus.

* Digidesign recommends that internally mounted drives are installed according to the drive manufacturer's guidelines.

Pro Tools | 24 Product Family Compatibility

Supported Hardware, Current Digidesign Software, and CPU Configurations

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Pro Tools | 24 System for Windows NT

Digidesign PCI Cards

Supplied with System

d24 Audio card⁹

DSP Farm

Other Options

Additional DSP Farm(s)¹¹

SampleCell II Plus (Installer currently requires SP3)

SampleCell II TDM Module

Digidesign Audio Interfaces

888 | 24 I/O

888 I/O

882 | 20 I/O

882 I/O

ADAT Bridge I/O

Required Software Components

Pro Tools 4.2.6 for Windows NT

Third-Party MIDI Controllers

Mackie HUI Controller²⁵

JL Cooper CS10 series (MIDI model only)

Penny and Giles DC-16/MM-16

Peavey PC-1600²⁵

Third-Party Expansion Chassis³⁸

13 Slot

Bit 3 model DD23^{11,18,25}

Bit 3 models 240-2-2 & 240-2-201^{11,18,25}

Expansion Chassis Requirements

- Chassis must have 3.3 volt power supply

- Chassis PCI bridge chips must be compliant with the PCI 2.1 specification

Third-Party Video Recorder/Players²⁶

Rorke VMOD²⁵

Doremi V-1²⁵

Optional Digidesign Software

Bruno/Reso 1.0

DINR 3.2³⁴

D-Fi 1.3

D-fx 1.1

Focusrite d2 1.4.1

Focusrite d3 1.2.1

MachineControl 1.0.1

Maxim 1.1

DPP-1 1.5

D-Verb 1.6.2

Optional Digidesign Hardware

Universal Slave Driver

Video Slave Driver

SMPTE Slave Driver (via a MIDI interface only)

Digidesign Highly Recommended CPU Models and Speeds

- IBM Intellistation M Pro - model 6889

Other Compatible CPU Models and Speeds

- Dell - Dimension XPS 233/300/400

- Gateway - E2000

- Tri-Star - StarStation LXE (333/400 MHz)

All models require Pentium II and Adaptec SCSI Host Adapters.

Use AGP video adapters when supplied.

Minimum Computer Requirements

- Computer:

• Intel Pentium III CPUs^{12,38} - 450, 500, or 550 MHz

• Intel Pentium II CPUs¹² - 233, 266, 300, 350, 400, or 450 MHz

• Intel 440LX or 440BX chipsets only

• 2 adjacent PCI slots

• AGP Video card strongly recommended (ATI, Matrox, STB, nVidia, or Diamond)

• BIOS - Phoenix or Award

- System Software: Windows NT Workstation v.4.0 with Service Pack 3 or Service Pack 4³⁷

- Storage: Qualified SCSI disk drive(s) (refer to "Pro Tools Qualified Drives" document)

- Total System RAM: 128 MB minimum

- SCSI Host Adapter

• Adaptec 2940UW PCI card with BIOS 1.3x or higher

• Adaptec 3940UW PCI card with BIOS 1.3x or higher

• Integrated Adaptec AIC-78xx chipsets with BIOS 1.3x or higher

- Computer Monitor: Color required; 17" monitor, 800 x 600 (minimum); 1024 x 768 (recommended)

Product Information

United States

1.800.333.2137

North & South America

650.842.6602 (USA)

Europe (England)

44.1753.658496

Asia (Japan)

81.3.3505.7963

Maximum Performance Guidelines for Pro Tools | 24 System:

For 32 track performance with Pro Tools | 24 on Windows NT, use of two or more qualified hard drives connected to a qualified Host Adapter is required.

Pro Tools III — PCI System for Power Macintosh

Digidesign PCI Cards

Supplied with System:

Disk I/O - PCI
 DSP Farm - PCI

Other Options:

DSP Farm - PCI
 SampleCell II Plus
 SampleCell II TDM Module - PCI

Digidesign Audio Interfaces

888 | 24 I/O ²⁷

888 I/O

882 | 20 I/O

882 I/O

ADAT Bridge I/O

Required Software Components

DAE 3.4.2 & DigiSystem INIT 3.4.2

Pro Tools 4.3.1

TDM Mixer Plug-In 1.7.2

Third-Party MIDI Controllers

Mackie HUI Controller ²⁵

JL Cooper CS10 series

Penny and Giles DC-16/MM-16

Peavey PC-1600 ²⁵

Third-Party Expansion Chassis

Bit 3 2101-00-2 ^{7,25}

Magma PXB-7-RMD ²⁵

Third-Party Video Capture Cards

Radius VideoVision PCI/ML

Pinnacle miroMOTION DC-20

Third-Party Video Recorder/Players ²⁶

Rorke VMOD ²⁵

Doremi V-1 ²⁵

Optional Digidesign Hardware

ProControl

SMPTE Slave Driver (w/SSD Setup 1.3)

Video Slave Driver

Universal Slave Driver

Optional Digidesign Software

Bruno/Reso 1.0

DINR 3.2.1

DPP-1 1.5.1

D-Verb 1.6.2

D-Fi 1.3.1

D-fx 1.1.1

Focusrite d2 1.4.2

Focusrite d3 1.2.2

MachineControl 1.0.1

MasterList CD 2.2³⁶

Maxim 1.1.1

PostConform 1.1

SampleCell Editor 2.1.1(w/SampleCell II Plus)

SampleCell-TDM 1.1.1(w/TDM Module)

Sound Designer II 2.8.3 ²⁹

SoundReplacer 1.0

Supported CPU Models & Speeds

Apple Computer

Power Macintosh G3 (1999 model) ^{30, 31,35}	all speeds
Power Macintosh G3 (1998 model) ^{30,31}	all speeds
Power Macintosh 9600/9600mp ¹⁷	all speeds
Power Macintosh 9500/9500mp ¹⁷	all speeds
Power Macintosh 8600 ¹⁷	all speeds
Power Macintosh 8500 ¹⁷	all speeds
Power Macintosh 8200 ¹⁷	all speeds
Power Macintosh 7600 ¹⁷	all speeds
Power Macintosh 7500 ¹⁷	all speeds
Power Macintosh 7300 ¹⁷	all speeds
Power Macintosh 7200 ¹⁷	all speeds
Performa 6400 ³²	all speeds

Power Computing

Power Tower Pro ¹⁷	all speeds
Power Center ¹⁷	all speeds

UMAX

UMAX S900L ¹⁷	all speeds
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Computer Requirements

- System Software: Mac OS v8.1, v8.5.1¹⁴ or v8.6¹⁴
- Storage: Qualified SCSI disk drive(s)
(refer to "Pro Tools Qualified Drives" document)
- Total System RAM: 48 MB minimum
(Additional RAM required for simultaneous use with MIDI sequencers. Virtual memory is not supported)
- Monitor: Color required; 14" minimum; 17" or larger recommended
- Opcode OMS v2.3.4 or higher (supplied)
- Apple QuickTime v3.0 or higher (supplied)

Pro Tools Project — PCI System for Power Macintosh

Digidesign PCI Cards

Pro Tools Project - PCI

Digidesign Audio Interfaces

888 | 24 I/O ²⁷

888 I/O

882 | 20 I/O ²⁸

882 I/O

ADAT Bridge I/O

Required Software Components

DAE 3.4.2 & DigiSystem INIT 3.4.2

Pro Tools 4.3.1

Third-Party MIDI Controllers

Mackie HUI Controller ²⁵

JL Cooper CS10 series

Penny and Giles DC-16/MM-16

Peavey PC-1600 ²⁵

Third-Party Video Capture Cards

Radius VideoVision PCI/ML

Pinnacle miroMOTION DC-20

Third-Party Video Recorder/Players ²⁶

Rorke VMOD ²⁵

Doremi V-1 ²⁵

Optional Digidesign Hardware

SampleCell II Plus

SMPTE Slave Driver (w/SSD Setup 1.3)

Video Slave Driver

Universal Slave Driver

Optional Digidesign Software

D-fx 3.2.1

D-Fi 1.3.1 (AudioSuite only)

DINR 3.2.1 (AudioSuite only)

D-Verb 1.6.2 (AudioSuite only)

Focusrite d3 1.2.2 (AudioSuite only)

MasterList CD 2.2³⁶

Maxim 1.1.1 (AudioSuite only)

SampleCell Editor 2.1.1(w/SampleCell II Plus)

Sound Designer II 2.8.3 ²⁹

SoundReplacer 1.0

Machine Control 1.0.1

Supported CPU Models & Speeds

Apple Computer

Power Macintosh G3 (1999 model) ^{30, 31,35} all speeds

Power Macintosh G3 (1998 model) ^{30,31} 333/300/266/233 MHz

Power Macintosh 9600/9600mp all speeds

Power Macintosh 9500/9500mp all speeds

Power Macintosh 8600 all speeds

Power Macintosh 8500	all speeds
Power Macintosh 8200	all speeds
Power Macintosh 7600	all speeds
Power Macintosh 7500	all speeds
Power Macintosh 7300	all speeds
Power Macintosh 7200	all speeds

Power Computing

Power Tower Pro	all speeds
Power Center	all speeds

UMAX

UMAX S900L	all speeds
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Computer Requirements

- System SW: Mac OS v8.1, v8.5.1¹⁴ or v8.6¹⁴
- Storage: Qualified SCSI disk drive(s)
(refer to "Pro Tools Qualified Drives" Document)
- Total System RAM: 48 MB minimum
(Additional RAM required for simultaneous use with MIDI sequencers. Virtual memory is not supported)
- Monitor: Color required; 14" minimum; 17" or larger recommended
- Opcode OMS v2.3.2 or higher (supplied)
- Apple QuickTime v3.0 or higher (supplied)

Pro Tools Systems Compatibility *continued*

Supported Hardware, Current Digidesign Software, and CPU Configurations

**Pro Tools with Audiomedia III (ToolBox for Macintosh) &
Pro Tools with PowerMix — PCI Systems for Power Macintosh**

3401-A Hillview Avenue
Palo Alto, CA 94304 U.S.A.

Tel 650.842.7900

Fax 650.842.7999

Digidesign PCI Cards

Audiomedia III - PCI

Required Software Components

DAE 3.4.2 & DigiSystem INIT 3.4.2
PowerMix 1.1.3
Pro Tools 4.3.1

Third-Party MIDI Controllers

JL Cooper CS10 series
Penny and Giles DC-16/MM-16
Peavey PC-1600 ²⁵

Third-Party Video Capture Cards

Radius VideoVision PCI/ML
Truevision Targa 2000 (PCI)
Pinnacle miroMOTION DC-20

Optional Digidesign Software

D-fx 1.2.1
D-Fi 1.3.1 (AudioSuite only)
DINR 3.2.1 (AudioSuite only)
D-Verb 1.6.2 (AudioSuite only)
Focusrite d3 1.2.1 (AudioSuite only)
MasterList CD 2.2³⁶
Maxim 1.1.1(AudioSuite only)
Sound Designer II 2.8.3 ²⁹
SampleCell Editor 2.1.1 (w/SampleCell II)
SoundReplacer 1.0

Optional Digidesign Hardware

SampleCell II Plus

Supported CPU Models & Speeds

Apple Computer

Power Macintosh G3 (1999 model) ^{30, 31, 35}	all speeds
Power Macintosh G3 (1998 model) ^{30, 31}	333/300/266/233 MHz
Power Macintosh 9600/9600mp	all speeds
Power Macintosh 9500/9500mp	all speeds
Power Macintosh 8600	all speeds
Power Macintosh 8500	all speeds
Power Macintosh 8200	all speeds
Power Macintosh 7600	all speeds
Power Macintosh 7500	all speeds
Power Macintosh 7300	all speeds
Power Macintosh 7200	all speeds
Performa 6400	all speeds
PowerBook 3400 ³³	all speeds

Power Computing

Power Tower Pro	all speeds
Power Center	all speeds

UMAX

UMAX S900L	all speeds
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Computer Requirements

- System Software: Mac OS v8.1, v8.5.1 or v8.6¹⁴
- Total System RAM: 48 MB minimum
(Additional RAM required for simultaneous use with MIDI sequencers. Virtual memory is not supported)
- Monitor: Color required; 14" minimum; 17" or larger recommended
- Opcode OMS v2.3.4 or higher (supplied)
- Apple QuickTime v3.0 or higher (supplied)

When using PowerMix, track count varies with CPU speed as follows:

<u># Playback Tracks</u>	<u>Min CPU Speed</u>
8	60 MHz
12	80 MHz
16	100 MHz

Power Macintosh 7200/90 & 7500/100 limited to 8 playback tracks.

Product Information

United States

1.800.333.2137
North & South America
650.842.6602 (USA)

Europe (England)

44.1753.658496

Asia (Japan)

81.3.3505.7963

Notes: Pro Tools | 24 Product Family Specific

- 1 Use of SCSI Accelerator cards not supported with Apple 8600 and 7300 computers
- 2 Supports use of the Radius VideoVision PCI/ML card with Power Macintosh 9600, 9500 and Power Tower Pro only
- 3 For maximum track count, configuration requires use of a qualified SCSI Accelerator card. Optional SCSI Accelerator cards bundled (by Apple) with G3 computers are not compatible with this configuration due to lack of support for external drives. When using HDT 2.5.3 or earlier with a qualified ATTO SCSI Accelerator, Firmware v1.1.1 is required. For new 1999 G3 computers, HDT 3.0.2 is required along with ATTO SCSI Accelerator, Firmware v1.3.5. Please contact ATTO for the latest information.
- 4 Radius VideoVision is incompatible with the optional video card included with some G3 1998 Power Macintoshes. Please contact Radius for the latest information.
- 5 Not supported with Pro Tools | 24 Expansion Kit
- 6 For Mac-based systems: Maximum of 7 MIX Farm/Core cards supported
For Windows NT-based systems: Maximum of 5 MIX Farm/Core cards supported
- 7 For Mac-based systems: Maximum of 2 MIX I/O cards supported or 1 MIX I/O card with upgraded PT | 24 system
For Windows NT-based systems: MIX I/O card not currently supported
- 8 Supported but no longer available
- 9 For Mac-based systems: If adding MIX Farm card(s) to Pro Tools | 24 systems, refer to Pro Tools | 24 MIX System compatibility information.
For Windows NT-based systems: Core/Farm cards not currently supported with Pro Tools | 24 systems
- 10 Pro Tools software cannot be authorized on a hard drive attached to a SCSI Accelerator. G3 customers should opt for the IDE/ATA drive option when purchasing/configuring this CPU
- 11 For Mac-based systems: DSP Farms with serial numbers lower than FG10501 may be used for Plug-In operation but do not support connection of an Audio Interface
For Windows NT-based systems: Compatibility requires DSP Farms with serial number FG 10501 or higher
- 12 Uniprocessor machines only (1 CPU chip)
- 13 Presence of 3.3 volt power indicated with yellow LED on MIX Core/Farm card
- 14 Requirements when using Mac OS 8.5.1 or 8.6:
 - Set default cache (in the Memory Control Panel) to "Custom, 512k"
 - Set Energy Saver Control Panel to "Never"
 - When using Digidesign Output Drivers, turn off Platinum Sounds in the Appearance Control Panel
 - In Appearance Control Panel, disable "Smooth All Fonts On Screen" and change system font to other than "Charcoal"
 - Firmware v1.1 required for Blue & White G3 computers running OS 8.6 (Available from Apple's website)

Expansion Chassis Specific

- 15 Supports use of compatible 13-slot Expansion Chassis (up to 10 Digidesign cards supported). Windows NT-based Pro Tools | 24 MIX systems playing back more than 32 tracks of audio require a SCSI boot drive and disabling of any active IDE drivers.
- 16 For compatibility, Expansion Chassis must use IBM PCI Bridge chip, (model numbers starting with 2101). Use of older units with Pro Tools | 24 also requires modification by Bit 3 for Motorola 56301 compatibility.
- 17 Supports use of compatible third party 7-slot Expansion Chassis with specified Pro Tools system
- 18 Requires 2 or 4 ft Expansion Chassis cable. 6 ft cables not supported
- 19 For compatibility, requires Rev H or higher DSP Farm cards (serial number FF09226 or higher) and Rev D or higher SampleCell II cards (serial number HH02001 or higher). Customers with older cards should contact their local Digidesign office.
- 20 For compatibility, Expansion Chassis must have serial number PD01910 or higher
- 21 For compatibility, Expansion Chassis must have serial number PE01732 or greater

- 22 Chassis must have 3.3 volt power supply and a PCI v2.1 compliant bridge chip. Customers should specify requirements when ordering. Any (7) slot chassis purchased prior to 10/98 will need HW upgrading. Please contact your chassis manufacturer for details.
- 23 For compatibility when used with G3, chassis must have the IBM PCI 2.1 compliant bridge chips. Please contact your chassis manufacturer for upgrade details.
- 24 The "Silk" ROM shipped in late 1998 grey G3 computers with the following model numbers:

Desktops:	Mini Towers:
• 266 MHz M6503LL/A	• 300 MHz M7246LL/A
• 300 MHz M7104LL/A	• 333 MHz M7106LL/A

Customers with early-mid 1998 G3 machines wishing to use a Pro Tools | 24 MIX system and Bit 3 (7) slot Expansion Chassis should contact Digidesign for upgrade information.

Other Information

- 25 For further information about this product, please contact your Digidesign dealer or local Digidesign office and ask for the *Digidesign Development Partner Catalog*
- 26 Requires Digidesign's MachineControl option

Non TDM System Specific

- 27 Digidesign ADAT Interface not supported with Pro Tools III or Pro Tools Project systems that use 888 | 24 I/O or 882 | 20 I/O
- 28 Pro Tools Project only supports 8 channels of I/O
- 29 Does not support the use of Sound Designer II Plug-Ins with this configuration
- 30 Configuration currently not qualified by Digidesign for compatibility with video capture cards
- 31 Pro Tools software cannot be installed on wide drives. G3 customers should opt for the IDE drive option when purchasing this CPU
- 32 Requires the use of a compatible Expansion Chassis.
- 33 PowerBook 3400 supports Pro Tools with PowerMix only. Not supported with Digidesign software included with ToolBox 2.0 (this software requires presence of AMIII Card)
- 34 HUM Removal-TDM is not supported on MIX Core and MIX Farm cards or Windows NT-based PT | 24 systems
- 35 New (1999) G3 Requirements
 - ATA Internal Boot Drive
 - Mac OS 8.6
 - G3 Firmware Update 1.1
 - External Diskette Drive (Imation Super Disk and Newer Technology's uDrive currently supported) Drive not required for ToolBox v2.0
 - Qualified Adaptec Power Domain SCSI Accelerator (Requires firmware v4.1 and Adaptec PowerDomain Control 5.0.1 with cards set to "Fast-SCSI:10" in the control panel)
— OR —
 - ATTO Express SCSI Accelerator (EPCI-DC, dual channel, single-ended firmware v1.3.5). Ultra-mode should be disabled (Control Panel) and the ATTO ExpressPro Tools system INIT must be removed (Extensions folder)
 - FWB Hard Disk ToolKit v3.0.2 required for all Pro Tools | 24 systems
 - Serial Port Card recommended for use with MIDI. Digidesign currently supports the Griffin gPort and the GeeThree Stealth Port cards installed in the modem port (thereby not using a PCI slot)
 - The PCI Matchmaker chip on a Disk I/O, DSP Farm, Pro Tools Project, SampleCell II PCI, or AMIII must be rev QC or QE (check the end of the line directly below "PCI Matchmaker" on the chip) to be compatible. Cards with rev Q chips can be upgraded.

- 36 Use of MLCD with new 1999 G3 requires SCSI Accelerator (due to lack of internal SCSI Bus). Supported SCSI Accelerators are the same as those supported with all Pro Tools | 24 systems.
- 37 Service Pack 4 may be required for Y2K compliance. Please contact Microsoft Corporation for further information.
- 38 Expansion Chassis not currently supported for use with Pentium III-based Pro Tools systems

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