



Compaq Professional Workstation XP1000

V1.1—01 February 1999

DIGITAL Systems and Options Catalog

Product Description

Compaq Professional Workstation XP1000 is available through distribution partners. A list of eligible partners is available on Digital Business Link or through a local Compaq Sales Office.

Compaq Professional Workstations XP1000 are available as System Building Blocks (SBB) designed for “a la carte” ordering and distributor integration. System Building Blocks contain a 500 MHz system kernel, 4 MB cache memory, and factory installed Windows NT or Tru64 UNIX operating system. System Building Blocks require a minimum of 128 MB memory, one hard disk drive, and a country kit. Selection of a graphics adapter is mandatory for Windows NT SBB. All system building blocks require the selection of a country specific keyboard for full system operation.

Compaq Professional Workstation XP1000 supports five I/O expansion slots on two buses: two 64-bit PCI, two 32-bit PCI, and one PCI/ISA 32-bit combination slot. System provides six internal storage device bays, including a floppy diskette, a CD-ROM, two additional 5.25-inch removable media devices, and two hard disk drive bays. Onboard options include an UltraSCSI adapter, a 16-bit audio soundblaster, and 10/100 Ethernet (Twisted pair) network interface. Up to a maximum of 1 GB of memory is currently supported in system enclosure.

Compaq Professional Workstation XP1000 comes standard with a three-year limited hardware warranty. Year one features on-site service with second day response; years two and three are return to Compaq service, parts only. This warranty represents one of the most comprehensive in the industry.

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Step 1—Compaq Professional Workstation XP1000

Compaq Professional Workstation XP1000 includes

- Tower enclosure with
 - Alpha microprocessor 21264 EV6 500 MHz CPU with 64 KB data cache, 64 KB instruction cache and 4 MB L3 external cache
 - Five Expansion slots on two buses
 - Two 64-bit PCI
 - Two 32-bit PCI
 - One PCI/ISA 32-bit combination slot
 - Two memory option banks
 - Four DIMM slots per bank
 - Maximum of 1 GB
 - Six Storage bays
 - One diskette drive bay
 - One CD-ROM drive bay
 - Two additional 5.25-inch x 1.6-inch removable media bays
 - Two 3.5-inch x 1.0-inch hard disk drive bays
 - 400 W power supply
 - Onboard UltraSCSI adapter
 - Onboard 16-bit audio soundblaster
 - Onboard 10/100 Ethernet (Twisted pair) (ThinWire and Thick wire optional)
 - Integrated I/O comprising parallel port, two serial ports, two USB ports, audio in, audio out, headphone, microphone, mouse and keyboard ports.
 - 1.44 MB diskette drive
 - 600 MB 32X CD-ROM drive
 - Factory Installed Software
 - Windows NT 4.0 includes: Windows NT base license, **or**
 - Tru64 UNIX V4.0E (minimum) includes: Tru64 UNIX base license, two-user UNIX license, and COMPAQ'S DIGITAL Open3D license
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Step 1—System Building Blocks

- **Mandatory** components required for SBBs:
 - Minimum of 128 MB memory
 - One hard disk drive
 - Country Kit
- Selection of a graphics adapter is **mandatory** for Windows NT SBBs.
- Selection of a graphics adapter is optional for Tru64 UNIX SBBs.
- All system building blocks require a country specific keyboard. Selection of a keyboard is not mandatory but is essential for full system operation.
- Additional components in Steps 3 through 11 are optional and will be factory integrated when ordered with a system building block.

500 MHz System Building Blocks—Windows NT 4.0

Order Number	Memory / Cache	Graphics	Hard Disk Drive	Country Kit
SN-E2F6W-V2	Mandatory / 4 MB	Mandatory	Mandatory	Mandatory

500 MHz System Building Blocks—Tru64 UNIX

Order Number	Memory / Cache	Graphics	Hard Disk Drive	Country Kit
SN-E2F6W-32	Mandatory / 4 MB	Optional	Mandatory	Mandatory

Step 2—Country Kit

- Tru64 UNIX universal country kits include two country-specific power cords, user documentation, and mouse. Tru64 UNIX license is included with system building blocks.
- Windows NT country kits include two country-specific power cords, user documentation, mouse, operating system license, media and documentation.
- The following Factory Installed Software (FIS) languages are the only languages delivered.
 - English, Japanese, French, Italian, German, Spanish and Dutch.
- Additional Windows NT languages may be purchased directly from Microsoft.
- Country kit is required for system to be operational.
- Only one country kit is allowed per system.
- Bulk system orders must include country kits equal to the total number of systems ordered.

Country Supported	Windows NT 4.0 Country Kits	Windows NT 4.0 Media Language	Tru64 UNIX 4.0E Country Kits	FIS and Documentation Language Supported
Americas				
United States, Canada, Taiwan, Philippines, Thailand, Japan	SN-PBB0P-AA	English	SN-PBB0U-AA	English
Canada	SN-PBB0P-AC	French	SN-PBB0U-AC	French
Europe				
Denmark	SN-PBB0P-AD	Danish	SN-PBB0U-AD	English
Finland	SN-PBB0P-AF	Finish	SN-PBB0U-AF	English
Norway	SN-PBB0P-AN	Norwegian	SN-PBB0U-AN	English
Sweden	SN-PBB0P-AM	Swedish	SN-PBB0U-AM	English
Germany	SN-PBB0P-AG	German	SN-PBB0U-AG	German
Netherlands	SN-PBB0P-AH	Dutch	SN-PBB0U-AH	Dutch
Italy	SN-PBB0P-AI	Italian	SN-PBB0U-AI	Italian
Switzerland/French	SN-PBB0P-AK	French	SN-PBB0U-AK	French
Switzerland/Germany	SN-PBB0P-AL	German	SN-PBB0U-AL	German
Switzerland/Italian	SN-PBB0P-AW	Italian	SN-PBB0U-AW	Italian
Switzerland/English	SN-PBB0P-CH	English	SN-PBB0U-CH	English
France, Belgium	SN-PBB0P-AP	French	SN-PBB0U-AP	French
Spain	SN-PBB0P-AS	Spanish	SN-PBB0U-AS	Spanish
United Kingdom	SN-PBB0P-AE	English	SN-PBB0U-AE	English
General European	SN-PBB0P-EC	English	SN-PBB0U-EC	English
Asia Pacific				
Japan	SN-PBB0P-AJ	Japanese	SN-PBB0U-AJ	Japanese
Japan	SN-PBB0P-CC	English	SN-PBB0U-CC	English
Chinese/General Asia	SN-PBB0P-CA	English	SN-PBB0U-CA	English

Step 3—Keyboards

- System building blocks do not include a country specific keyboard. Selection of a keyboard is not mandatory but is essential for full system operation.
- Keyboards listed below are colored to match CPU and monitor. Keyboards purchased through distribution channels may not be the correct color match.

Windows NT Keyboard	Tru64 UNIX Keyboard	Country
Americas		
SN-LKQ97-AA	SN-LKQ47-AA	US/English
SN-LKQ97-AC	SN-LKQ47-AC	Canada/French
SN-LKQ97-AR	SN-LKQ47-AR	Latin-American/Spanish
SN-LKQ97-AU	—	Brazil
Europe		
SN-LKQ97-AB	SN-LKQ47-AB	Belgian
SN-LKQ97-AD	SN-LKQ47-AD	Danish
SN-LKQ97-AE	SN-LKQ47-AE	UK
SN-LKQ97-AF	SN-LKQ47-AF	Finland
SN-LKQ97-AG	SN-LKQ47-AG	German
SN-LKQ97-AH	—	Netherlands
SN-LKQ97-AI	SN-LKQ47-AI	Italy
SN-LKQ97-AK	SN-LKQ47-AK	Switzerland
SN-LKQ97-AM	SN-LKQ47-AM	Sweden
SN-LKQ97-AN	SN-LKQ47-AN	Norway
SN-LKQ97-AP	SN-LKQ47-AP	France
SN-LKQ97-AS	SN-LKQ47-AS	Spain
SN-LKQ97-AV	SN-LKQ47-AV	Portugal
SN-LKQ97-BH	SN-LKQ47-BH	Greece
SN-LKQ97-BP	SN-LKQ47-BP	Poland
SN-LKQ97-BQ	SN-LKQ47-BQ	Hungary
SN-LKQ97-BR	SN-LKQ47-BR	Arabic
SN-LKQ97-BT	SN-LKQ47-BT	Russia/Cyrillic
SN-LKQ97-BU	SN-LKQ47-BU	Turkey
SN-LKQ97-BV	SN-LKQ47-BV	Czech Republic
SN-LKQ97-CZ	SN-LKQ47-CZ	Slovak
Asia Pacific		
SN-LKQ97-AJ	—	Japan
SN-LKQ97-BI	SN-LKQ47-BI	Taiwan
SN-LKQ97-CV	—	China
SN-LKQ97-BK	SN-LKQ47-BK	South Korean
SN-LKQ97-CB	SN-LKQ47-CB	Thailand
SN-LKQ97-BA	SN-LKQ47-BA	International

Step 4—Memory

- Selection of a minimum of 128 MB memory is **mandatory** for SBBs.
- Systems support 128 MB to 1 GB system memory (two memory banks support four DIMMs per bank).

SN-MSP01-KA	128 MB ECC memory DIMMs
SN-MSP01-KB	256 MB ECC memory DIMMs
SN-MSP01-KC	512 MB ECC memory DIMMs

Step 5—Storage

Systems include an onboard UltraSCSI adapter for internal drives only.

Step 5a—Internal Storage

- System building blocks require one **mandatory** hard disk drive.
- Hard disk drive ordered with SBB includes Factory installed software (Windows NT or Tru64 UNIX).
- Systems support up to four hard disk drives:
 - Two 3.5-inch x 1.0-inch hard disk drive in dedicated hard disk drive bays.
 - Two 3.5-inch x 1.6-inch hard disk drives supported in the 5.25-inch removable media bays.

SCSI Disk Drives

SN-PBXRW-ND	4.3 GB UltraSCSI 7200 RPM hard disk drive, 1.0-inch bay
SN-PBXRW-SB	9.1 GB UltraSCSI 7200 RPM hard disk drive, 1.0-inch bay
SN-PBXRW-TA	18.2 GB UltraSCSI 7200 RPM hard disk drive, 1.6-inch bay
SN-PBXRW-RB	4.3 GB Ultra2 LVD Wide SCSI 10K RPM hard disk drive, 1.0-inch bay
SN-PBXRW-VA	9.1 GB Ultra2 LVD Wide SCSI 10K RPM hard disk drive, 1.0-inch bay
SN-PBXRW-WA¹	18.2 GB UltraSCSI 10,000 RPM hard disk drive, 1.6-inch bay (includes fan kit)

1. Maximum one per system, supported in the 5.25-inch removable media bays only.

Tape Drives

- Systems include one 5.25-inch 32X CD-ROM drive.
- Systems support two additional 5.25-inch removable media devices. Note: 5.25-inch removable media bays also support hard disk drives.

SN-TLZ10-LK	12/24 GB 4 mm DAT internal SCSI tape drive, 1.6-inch front accessible bay
SN-TLZ09-LK	4/8 GB 4 mm DAT internal SCSI tape drive, 1.6-inch front accessible bay

Step 5b—External Storage

An additional SCSI controller is required to support external drives or RAID arrays.

SCSI Controllers

- Systems include onboard UltraSCSI controller for internal disks only.
- Select up to two additional storage adapters or controllers if external storage is required.

SN-KZPBA-CA	PCI-based one port UltraSCSI Single-Ended adapter—requires one PCI slot.
SN-KZPBA-CB	PCI-based one port UltraSCSI Differential adapter—requires one PCI slot.
SN-KZPAC-AA	PCI-based one port RAID Array controller (UltraSCSI Single-ended) with 4 MB cache—requires one PCI slot.
SN-KZPAC-CA	PCI-based three port RAID Array controller (UltraSCSI Single-ended) with 4 MB cache—requires one PCI slot. Note: External use of the third port requires one additional PCI bulkhead slot and a BN31K-0E SCSI cable/bulkhead assembly kit.
SN-KZPAC-CB	PCI-based three port RAID Array controller (UltraSCSI Single-ended) with 8 MB cache—requires one PCI slot. Note: External use of the third port requires one additional PCI bulkhead slot and a BN31K-0E SCSI cable/bulkhead assembly kit.

Expansion Boxes and SCSI cables

DS-BA356-KF	External StorageWorks desktide pedestal unit with 180 W power supply, dual speed blowers, UltraSCSI I/O personality module. Configured for single bus.
BN38C-xx	VHDCI male to 68-pin HD male SCSI cable. Required to connect external StorageWorks UltraSCSI pedestal to KZPBA-xx adapters. (xx equals length in meters).
BN37A-xx	VHDCI male to VHDCI male SCSI cable. Required to connect external StorageWorks UltraSCSI pedestal to KZPAC-xx controller. (xx equals length in meters).

Step 6—Graphics Options

- Graphics adapter is mandatory for Windows NT system building blocks.
- Graphics adapter is optional for Tru64 UNIX system building blocks.
- System consists of two PCI buses with three PCI slots on Bus 0 and two PCI slots on Bus 1.
- For optimal graphics performance all graphics adapters should be installed on Bus 0. There will be a loss of performance on any adapter placed on PCI Bus 1.
- The first graphics adapter for single head systems must be installed on PCI Bus 0.
- Multi-head systems must be homogeneous, all ELSA GLoria Synergy or all PowerStorm 300, etc.
- Windows NT graphics options include Graphics Support Services Software license, media and documentation.
- Tru64 UNIX graphics options require DIGITAL Open3D media, included in factory installed software (FIS).

	Maximum Graphics Adapters supported per system	Windows NT	Tru64 UNIX
SN-PBXGK-BB	ELSA GLoria Synergy graphics with 8 MB SGRAM	1/3 ¹	3 ¹
SN-PBXGB-AA	PowerStorm 3D30 graphics with 2MB VRAM	—	1/3 ²
SN-PBXGI-AD	PowerStorm 4D51T 3D graphics with 16 MB texture memory	2	2
SN-PBXGD-AD	PowerStorm 300 Midrange 3D graphics with 15MB framebuffer memory and 16MB texture memory	2	2

1. ELSA GLoria Synergy: Windows NT supports one head for 2D/3D, two or three heads for 2D only. Tru64 UNIX supports one to three heads for 2D only.
2. PowerStorm 3D30 – Tru64 UNIX supports one head for 2D/3D, two or three heads for 2D only.

Step 7—Color Monitors

Note: Country Kit includes two country-specific power cords, one for system and one for monitor.

SN-VRQP7-23	P75 COLOR MONITOR, SH P75 Color Monitor -- 17" Trinitron monitor (16" viewable image size), 0.25mm aperture grille pitch, up to 1280 x 1024 resolution @ 75 Hz, OSD, USB pass through port, Plug & Play, TCO '95, Colorific Software, AssetControl, Southern Hemisphere, includes video cable.
SN-VRQP7-24	P75 COLOR MONITOR, NH P75 Color Monitor -- 17" Trinitron monitor (16" viewable image size), 0.25mm aperture grille pitch, up to 1280 x 1024 resolution @ 75 Hz, OSD, USB pass through port, Plug & Play, TCO '95, Colorific Software, AssetControl, Northern Hemisphere, includes video cable.
SN-VRQP1-23	P110 COLOR MONITOR, SH P110 Color Monitor -- 21" Trinitron monitor (19.8" viewable image size), 0.25mm aperture grille pitch, up to 1600 x 1200 resolution @ 85 Hz, Ambient Light Sensor, OSD, USB 4 port hub, Plug & Play, TCO '95, Colorific Software, Southern Hemisphere, includes video cable.
SN-VRQP1-24	P110 COLOR MONITOR, NH P110 Color Monitor -- 21" Trinitron monitor (19.8" viewable image size), 0.25mm aperture grille pitch, up to 1600 x 1200 resolution @ 85 Hz, Ambient Light Sensor, OSD, USB 4 port hub, Plug & Play, TCO '95, Colorific Software, Northern Hemisphere, includes video cable.

Step 8—Network Options

Systems include an onboard 10/100 Ethernet (Twisted pair) controller.

	Maximum supported per system	Windows NT	Tru64 UNIX
SN-PCXAN-DF	PCI-based 10Base2 Ethernet (ThinWire) adapter	1	1
SN-PCXAN-DE	PCI-based 10Base5 Ethernet (Thick wire) adapter	1	1
SN-DE500-FA	PCI-based 10/100 mb/s Fast Ethernet, supports fiber MMF (Multi-Mode Fiber)	2	2
SN-DE500-BA	PCI-based 10/100 mb/s Fast Ethernet, supports Twisted pair	2	2
SN-PBXNP-AC	PCI-based Token Ring adapter	2	2
SN-DEFPA-MB	PCI-based FDDI adapter DAS TP-PMD	2	2
SN-DEFPA-UB	PCI-based FDDI adapter SAS TP-PMD	2	2
SN-DEFPA-AB	PCI-based FDDI adapter SAS MMF, SC	2	2
SN-DEFPA-DB	PCI-based FDDI adapter DAS UTP, MMF, SC	2	2
SN-PBXDA-AA	PCI-based 4 Port Asynchronous Controller	2	2
SN-PBXDA-AB	PCI-based 8 Port Asynchronous Controller	2	2
SN-PBXIP-AB	PCI-based ISDN/BRI Controller U Interface	2	—
SN-PBXIP-AA	PCI-based ISDN/BRI Controller ST	2	—
SN-DGLPA-FA	PCI-based ATM 155mbps (fiber)- MMF (Multi-Mode Fiber)	—	2
SN-DGLPA-UA	PCI-based ATM 155mbps Cat5- UTP	—	2
FR-PCXFA-AA	ISA-based 56 KPS Internal Modem	1	1

Step 9—Input/Multimedia Devices

SN-PBQWA-WA	2 button Spaceball Motion Control input device
SN-PBQWS-WA	Spare 3 button mouse
SN-AV901-NT	Osprey 100-NTA Video Capture PCI Board for Windows NT (Intel & Alpha)
SN-AV901-UX	Osprey 100-UXA Video Capture PCI Board for Tru64 UNIX
SN-AVC91-NA	NTSC Video Camera for North America 120 V (includes power supply)
SN-AVC91-EU	PAL Video Camera for Europe 220 V (includes power supply with Central European dual pin plug)
SN-AVC91-JP	NTSC Camera for Japan 100 V(includes power supply)

Step 10—Hardware Supplemental Services

FM-AWXHW-36	3 Year 5x9 Next Business Day Onsite XP1000 warranty uplift (must purchase within 90 days of system purchase).
FM-AW4HR-36	3 Year 5x9 Same Day - 4 Hour Response Onsite XP1000 warranty uplift (must purchase within 90 days of system purchase).
FM-AW724-36	3 Year 7x24 Same Day - 4 Hour Response Onsite XP1000 warranty uplift (must purchase within 90 days of system purchase).
FS-CPQ05-WJ	In Warranty XP1000 service upgrade for 1 st year to 5x9 Next Business Day
FS-CPQ05-WK	In Warranty XP1000 service upgrade for 2 nd or 3 rd years to 5x9 Next Business Day
FS-CPQ05-35	Post Warranty XP1000 service – 5x9 Next Business Day
FM-IWINS-IN	XP1000 Hardware Installation

Step 10a—Software Supplemental Services

For a complete list of available service offerings, please see your local Compaq sales representative or call Compaq directly at 1-800-344-4825 in the US and Canada. For those outside North America, call +353 91 704105 for the number of your local Compaq Information Center.

Windows NT

FM-NMB53-12	12 Month 5 x 9 Bronze Windows NT Software Supplemental Support Services; Tier 3M
FM-NMB53-36	36 Month 5 x 9 Bronze Windows NT Software Supplemental Support Services; Tier 3M
FM-NMB53-60	60 Month 5 x 9 Bronze Windows NT Software Supplemental Support Services; Tier 3M
FM-NMB73-12	12 Month 7 x 24 Bronze Windows NT Software Supplemental Support Services; Tier 3M
FM-NMB73-36	36 Month 7 x 24 Bronze Windows NT Software Supplemental Support Services; Tier 3M
FM-NMB73-60	36 Month 7 x 24 Bronze Windows NT Software Supplemental Support Services; Tier 3M

Tru64 UNIX

FM-3BUNS-12	12 Month 7 x 24 Bronze Software Supplemental Support Services
FM-3BUNS-36	36 Month 7 x 24 Bronze Software Supplemental Support Services
FM-3BUNS-60	60 Month 7 x 24 Bronze Software Supplemental Support Services
FM-3BUN5-12	12 Month 5 x 9 Bronze Software Supplemental Support Services
FM-3BUN5-36	36 Month 5 x 9 Bronze Software Supplemental Support Services
FM-3BUN5-60	60 Month 5 x 9 Bronze Software Supplemental Support Services

Step 11—Media and Documentation

XP1000 User Documentation

EK-CPWXP-SI	Compaq Professional Workstation XP1000 Installation and Setup Guide—English
EK-CPWXF-SI	Compaq Professional Workstation XP1000 Installation and Setup Guide—French
EK-CPWXD-SI	Compaq Professional Workstation XP1000 Installation and Setup Guide—German
EK-CPWXJ-SI	Compaq Professional Workstation XP1000 Installation and Setup Guide—Japanese
EK-CPWXS-SI	Compaq Professional Workstation XP1000 Installation and Setup Guide—Spanish
EK-CPWXI-SI	Compaq Professional Workstation XP1000 Installation and Setup Guide—Italian
EK-CPWXP-TI	Compaq Professional Workstation XP1000 Technical Information Guide – English only

Tru64 UNIX User Documentation, Media and Optional Licenses

For a complete list of available layered Tru64 UNIX software products see the *Software Price List for Digital Products and Services* document available from your local Compaq sales representative or call Compaq at 1-800-344-4825 in the US and Canada. For those outside North America, call +353 91 704105 for the number of your local Compaq Information Center.

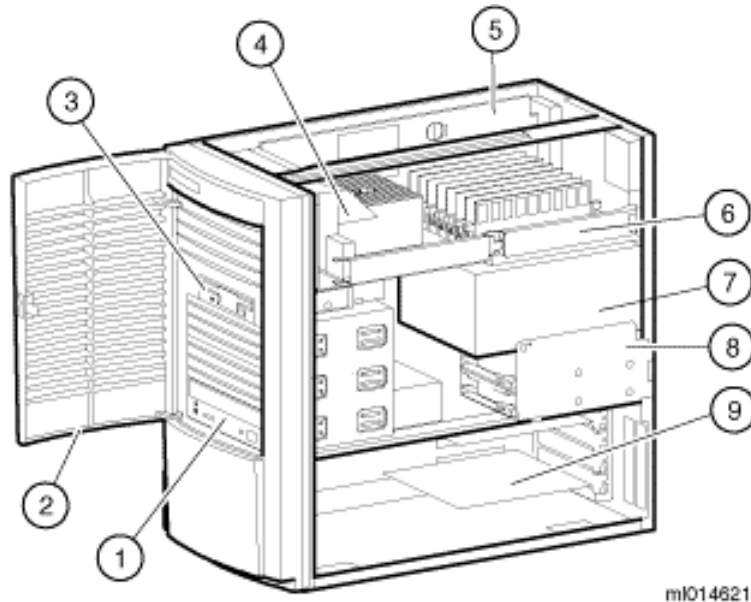
QA-MT4AA-H8	Tru64 UNIX Media & Documentation kit
QA-MT4AA-GZ	Tru64 UNIX Full Documentation kit
QA-MT4AB-GZ	Tru64 UNIX End-User Documentation kit
QL-MT7AE-AA	Tru64 UNIX Unlimited User License

Specifications

Height	40.64 cm (16 inches)
Width	21.59 cm (8.5 inches)
Depth	44.45 cm (17.5 inches)
Weight	18.6 kg (41 lbs)
Shipping carton	23.38 x 20.50 x 15.36
Shipping weight	22.2 kg (49 lbs)

Compaq Professional Workstation XP1000

Compaq Professional Workstation XP1000 System Diagram



Inside View Description

- | | |
|--|-----------------------------|
| 1. CD-ROM drive. | 6. CPU daughter card. |
| 2. Front door. | 7. 400 Watt power supply. |
| 3. Floppy drive. | 8. Internal drive bay cage. |
| 4. Fan pipe (directs air to CPU heat sink area). | 9. PCI option installed. |
| 5. Main Logic Board (MLB). | |