Compaq AlphaStation XP1000
V2.3—24 September 1999
Systems and Options Catalog

Product Description

Compaq AlphaStation XP1000 is available from Compaq Workstation Sales Specialists and through qualified distribution partners and can be ordered as either a 2-5-2 or as a 6-3 part number. A list of eligible partners is available through the local Compaq Sales Office.

Compaq AlphaStation XP1000 is available as:

- **Configure To Order (CTO) Models**—designed for "a la carte" ordering and distributor integration. CTO models contain either an Alpha 21264 (EV6) 500 MHz or an Alpha 21264A (EV67) 667 MHz system kernel, 4 MB Level 2 cache memory, on-board wide-ultra SCSI adapter, and either operating system-less (LINUX ready), or factory installed Windows NT (500 MHz only) or Tru64 UNIX or OpenVMS operating system. CTO models 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 systems. All CTO models require the selection of a country specific keyboard for full system operation.
- **Packaged Systems/Build To Order (BTO) Models**—designed as complete systems for shipment to end-users. Packaged Systems contain either an Alpha 21264 (EV6) 500 MHz or an Alpha 21264A (EV67) 667 MHz system kernel, 4 MB Level 2 cache, a minimum of 128 MB memory, a minimum 9.1 SCSI disk drive, on-board wide-ultra SCSI adapter, single channel wide ultra-2 SCSI (LVD) adapter (667 MHz systems only), graphics adapter, country kit (for all but European packages) and factory installed Windows NT (500 MHz only), Tru64 UNIX or OpenVMS operating system. All packaged systems include a country kit and country specific keyboard except European packages. Selection of a country kit is mandatory for European systems. Additional options will ship separate and will not be factory integrated into packaged systems.

Compaq AlphaStation 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. The 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 Soundblaster ™ compatible audio (not supported on OpenVMS), and 10/100 Ethernet (Twisted pair) network interface. A maximum of 2 GB of memory is supported in the system enclosure.

Compaq AlphaStation XP1000 come 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 AlphaStation XP1000

Compaq AlphaStation XP1000 includes
Tower enclosure with

- Alpha 21264 (EV6) 500 MHz CPU or Alpha 21264A (EV67) 667 MHz CPU with 64 KB data cache, 64 KB instruction cache and 4 MB Level 2 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 2 GB
- Six Storage bays
  One diskette drive bay
  One CD-ROM drive bay
  Two 3.5-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 wide UltraSCSI adapter. PCI-based single-channel wide Ultra-2 SCSI (LVD) adapter optional **(included in all 667 MHz packaged systems)**
- Onboard 16-bit Soundblaster™ compatible audio (not supported under OpenVMS)
- Onboard 10/100 Ethernet (Twisted pair) (ThinWire and Thick wire optional)
- Integrated I/O comprising parallel port, two serial ports, two USB ports(available from NT only) , audio in, audio out, headphone, microphone, mouse and keyboard ports.
- 1.44 MB diskette drive
- 600 MB 32X CD-ROM drive
- LINUX-ready (no operating system installed) or
- Factory Installed Software : **either**
  - Windows NT 4.0 includes Windows NT (500 MHz)base license, **with Service Pack 3** (or higher) **or**
  - Tru64 UNIX V4.0F (minimum) includes: Tru64 UNIX base license, two-user UNIX license, and COMPAQ'S Open3D license. **or**
  - OpenVMS 7.2-1 includes OpenVMS Systems Value License Package with OpenVMS Alpha base license, OpenVMS 1-user license, NAS Client 150 Traditional License Multi Media Services Runtime License (Ensoniq audio planned for future release) and Open 3D for OpenVMS license

Step 1a—Configure To Order Models

- **Mandatory** components required for CTO models.
- Minimum of 128 MB memory
- One hard disk drive
- Country Kit
- Selection of a graphics adapter is **mandatory** for Windows NT (500 MHz)
- Selection of a graphics adapter is optional for OpenVMS, LINUX-ready, Tru64 UNIX.
- All CTO models 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 CTO model.

Windows NT 4.0—CTO Models (500 MHz)

Order Number	CPU	Memory / Cache	Graphics	Hard Disk Drive	Country Kit
SN-E2F6W-V2 143860-B21	500	Mandatory / 4 MB	Mandatory	Mandatory	Mandatory

Tru64 UNIX—CTO Models (500 MHz and 667 MHz)

Order Number	CPU	Memory / Cache	Graphics	Hard Disk Drive	Country Kit
SN-E2F6W-32 143859-B21	500	Mandatory / 4 MB	Optional	Mandatory	Mandatory
SN-E2G6W-32 143862-B21	667	Mandatory / 4 MB	Optional	Mandatory	Mandatory

OpenVMS—CTO Models (500 MHz and 667 MHz)

Order Number	CPU	Memory / Cache	Graphics	Hard Disk Drive	Country Kit
SN-E2F6W-A4 155831-B21	500	Mandatory / 4 MB	Optional	Mandatory	Mandatory
SN-E2G6W-A4 155832-B21	667	Mandatory / 4 MB	Optional	Mandatory	Mandatory

Step 1a—Configure To Order Models (continued)

No OS (LINUX-ready)—CTO Models (500 MHz and 667 MHz)

Order Number		CPU	Memory / Cache	Graphics	Hard Disk Drive	Country Kit
SN-E2F6W-L2	**143861-B21**	500	Mandatory/4MB	Optional	Mandatory	Mandatory
SN-E2G6W-L2	**143864-B21**	667	Mandatory/4MB	Optional	Mandatory	Mandatory

Step 1b—Packaged Systems/BTO Models

- All packaged systems include a country kit and country specific keyboard except European packages
- Selection of country Kit from step 2 is mandatory for European packages.
- Single-channel wide Ultra-2 SCSI (LVD) adapter (SN-KZPCA-AA) installed (one PCI-slot) in all 667 MHz packaged systems.
- **Additional options will not be factory integrated into packaged systems and will ship as spares**.

Tru64 UNIX—Packaged Systems/BTO Models(500 MHz)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	US Ctry Kit/Kbd
SN-E2F6Q-AA	**380406-004**	128 MB / 4 MB	ELSA Gloria Synergy	4.3 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2F6Q-AB	**380406-005**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2F6Q-AC	**380406-006**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Inc (SN-LKQ47-AA)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Eur Ctry Kit/Kbd
SN-E2F6Q-EA	**380406-024**	128 MB / 4 MB	ELSA Gloria Synergy	4.3 GB SCSI disk	Mandatory
SN-E2F6Q-EB	**380406-025**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Mandatory
SN-E2F6Q-EC	**380406-026**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Mandatory

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Japan Ctry Kit/Kbd
SN-E2F6Q-JA	**380406-294**	128 MB / 4 MB	ELSA Gloria Synergy	4.3 GB SCSI disk	Inc (SN-LKQ97-AJ)
SN-E2F6Q-JB	**380406-295**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ97-AJ)
SN-E2F6Q-JC	**380406-296**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Inc (SN-LKQ97-AJ)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Japan/Eng Ctry Kit/Kbd
SN-E2F6Q-HA	**380406-394**	128 MB / 4 MB	ELSA Gloria Synergy	4.3 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2F6Q-HB	**380406-395**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2F6Q-HC	**380406-396**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Inc (SN-LKQ47-AA)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Chinese Ctry Kit/Kbd
SN-E2F6Q-CA	**380406-374**	128 MB / 4 MB	ELSA Gloria Synergy	4.3 GB SCSI disk	Inc (SN-LKQ47-CV)
SN-E2F6Q-CB	**380406-375**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ47-CV)
SN-E2F6Q-CC	**380406-376**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Inc (SN-LKQ47-CV)

Tru64 UNIX—Packaged Systems/BTO Models (667 MHz)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	US Ctry Kit/Kbd
SN-E2G6Q-AA	**127346-004**	256 MB / 4 MB	ELSA Gloria Synergy	9.1 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2G6Q-AB	**127346-005**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2G6Q-AC	**127346-006**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Inc (SN-LKQ47-AA)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Eur Ctry Kit/Kbd
SN-E2G6Q-EA	**127346-024**	256 MB / 4 MB	ELSA Gloria Synergy	9.1GB SCSI disk	Mandatory
SN-E2G6Q-EB	**127346-025**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Mandatory
SN-E2G6Q-EC	**127346-026**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Mandatory

Tru64 UNIX—Packaged Systems/BTO Models (667 MHz) (continued)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Japan Ctry Kit/Kbd
SN-E2G6Q-JA	**127346-294**	256 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	Inc (SN-LKQ97-AJ)
SN-E2G6Q-JB	**127346-295**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ97-AJ)
SN-E2G6Q-JC	**127346-296**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Inc (SN-LKQ97-AJ)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Japan/Eng Ctry Kit/Kbd
SN-E2G6Q-HA	**127346-394**	256 MB / 4 MB	ELSA Gloria Synergy	9.1 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2G6Q-HB	**127346-395**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ47-AA)
SN-E2G6Q-HC	**127346-396**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI disk	Inc (SN-LKQ47-AA)

Order Number		Memory / Cache	Graphics	10K RPM HardDisk	Chinese Ctry Kit/Kbd
SN-E2G6Q-CA	**127346-374**	256 MB / 4 MB	ELSA Gloria Synergy	9.1 GB SCSI disk	Inc (SN-LKQ47-CV)
SN-E2G6Q-CB	**127346-375**	256 MB / 4 MB	PowerStorm 300	9.1 GB SCSI disk	Inc (SN-LKQ47-CV)
SN-E2G6Q-CC	**127346-376**	256 MB / 4 MB	PowerStorm 350	9.1 GB SCSI Disk	Inc (SN-LKQ47-CV)

OpenVMS—Packaged Systems/BTO Models (500 MHz)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Country Kit/Kbd
SN-E2F6Q-VD	**380406-008**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	US Inc (LK461-A2)
SN-E2F6Q-ED	**380406-028**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	European Mandatory
SN-E2F6Q-JD	**380406-298**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	Japan Inc (SN-LKQ97-AJ)
SN-E2F6Q-HD	**380406-398**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	Jpn/Eng Inc (LK461-A2)
SN-E2F6Q-CD	**380406-371**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	Chin Inc (SN-LKQ47-CV)

OpenVMS—Packaged Systems/BTO Models (667 MHz)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Country Kit/Kbd
SN-E2G6Q-VD	**127346-008**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	US Inc (LK461-A2)
SN-E2G6Q-ED	**127346-028**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	European Mandatory
SN-E2G6Q-JD	**127346-298**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	Japan Inc (SN-LKQ97-AJ)
SN-E2G6Q-HD	**127346-398**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	Jpn/Eng Inc (LK461-A2)
SN-E2G6Q-CD	**127346-378**	128 MB / 4 MB	ELSA GLoria Synergy	9.1 GB SCSI disk	Chin Inc (SN-LKQ47-CV)

No OS (LINUX-ready)—Packaged Systems/BTO Models (500 MHz)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Country Kit/Kbd
SN-E2F6Q-VL	**380406-007**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	US Inc (SN-LKQ47-AA)
SN-E2F6Q-EL	**380406-027**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	European Mandatory
SN-E2F6Q-JL	**380406-297**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	Japan Inc (SN-LKQ97-AJ)
SN-E2F6Q-HL	**380406-397**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	Jpn/E Inc(SN-LKQ47-AA)
SN-E2F6Q-CL	**380406-377**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	Chin Inc (SN-LKQ47-CV)

No OS (LINUX-ready)—Packaged Systems/BTO Models (667 MHz)

Order Number		Memory / Cache	Graphics	10K RPM Hard Disk	Country Kit /Kbd
SN-E2G6Q-VL	**127346-007**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	US Inc (SN-LKQ47-AA)
SN-E2G6Q-EL	**127346-027**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	European mandatory
SN-E2G6Q-JL	**127346-297**	256 MB / 4 MB	Optional	9.1 GB SCSI Disk	Japan Inc (SN-LKQ97-AJ)
SN-E2G6Q-HL	**127346-397**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	Jpn/E Inc(SN-LKQ47-AA)
SN-E2G6Q-CL	**127346-377**	256 MB / 4 MB	Optional	9.1 GB SCSI disk	Chin Inc (SN-LKQ47-CV)

Step 2—Country Kit

- LINUX-ready, Tru64 UNIX or OpenVMS universal country kits include two country-specific power cords and mouse. Multi lingual user documentation is shipped with systems kernel. Tru64 UNIX license is included with associated CTO models and packaged systems.
- Windows NT country kits include two country-specific power cords, mouse, operating system license, media and Microsoft Windows NT 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	LINUX-ready, Tru64 UNIX 4.0F or OpenVMS Country Kits		FIS and Documentation Language Supported
Americas						
United States	**SN-PBB0P-AA**	**388123-001**	English	**SN-PBB0U-AA**	**388176-001**	English
Canada	**SN-PBB0P-AC**	**388123-121**	French	**SN-PBB0U-AC**	**388176-121**	French
Denmark	**SN-PBB0P-AD**	**388123-081**	Danish	**SN-PBB0U-AD**	**388176-081**	English
Finland	**SN-PBB0P-AF**	**388123-351**	Finish	**SN-PBB0U-AF**	**388176-351**	English
Norway	**SN-PBB0P-AN**	**388123-091**	Norwegian	**SN-PBB0U-AN**	**388176-091**	English
Sweden	**SN-PBB0P-AM**	**388123-101**	Swedish	**SN-PBB0U-AM**	**388176-101**	English
Germany	**SN-PBB0P-AG**	**388123-041**	German	**SN-PBB0U-AG**	**388176-041**	German
Netherlands	**SN-PBB0P-AH**	**388123-331**	Dutch	**SN-PBB0U-AH**	**388176-331**	Dutch
Italy	**SN-PBB0P-AI**	**388123-061**	Italian	**SN-PBB0U-AI**	**388176-061**	Italian
Switzerland/French	**SN-PBB0P-AK**	**388123-301**	French	**SN-PBB0U-AK**	**388176-301**	French
Switzerland/Germany	**SN-PBB0P-AL**	**388123-311**	German	**SN-PBB0U-AL**	**388176-311**	German
Switzerland/Italian	**SN-PBB0P-AW**	**388123-321**	Italian	**SN-PBB0U-AW**	**388176-321**	Italian
Switzerland/English	**SN-PBB0P-CH**	**388123-111**	English	**SN-PBB0U-CH**	**388176-111**	English
France, Belgium	**SN-PBB0P-AP**	**388123-051**	French	**SN-PBB0U-AP**	**388176-051**	French
Spain	**SN-PBB0P-AS**	**388123-071**	Spanish	**SN-PBB0U-AS**	**388176-071**	Spanish
United Kingdom	**SN-PBB0P-AE**	**388123-031**	English	**SN-PBB0U-AE**	**388176-031**	English
General European	**SN-PBB0P-EC**	**388123-021**	English	**SN-PBB0U-EC**	**388176-021**	English
Asia Pacific						
Japan	**SN-PBB0P-AJ**	**388123-291**	Japanese	**SN-PBB0U-AJ**	**388176-291**	Japanese
Japan	**SN-PBB0P-CC**	**388123-391**	English	**SN-PBB0U-CC**	**388176-391**	English
Chinese/General Asia	**SN-PBB0P-CA**	**388123-371**	English	**SN-PBB0U-CA**	**388176-371**	English
Chinese	**SN-PBB0P-CV**	**388123-AA1**	Simplified Chinese	**SN-PBB0U-CV**	**388176-AA1**	Simplified Chinese
Australia/New Zealand	**SN-PBB0P-CN**	**388123-011**	English	**SN-PBB0U-CN**	**388176-011**	English

Step 3—Keyboards

- CTO models 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. Alternative keyboards purchased through distribution channels may not be the correct color matches.

Windows NT Keyboard		LINUX-ready or Tru64 UNIX Keyboard		OpenVMS Keyboard		Country
Americas						
SN-LKQ97-AA	**166515-006**	**SN-LKQ47-AA**	**296435-006**	**LK461-A2**	**—**	US/English
SN-LKQ97-AC	**166515-126**	**SN-LKQ47-AC**	**296435-126**	**LK461-AC**	**—**	Canada/French
—	**—**	—	**—**	**LK461-AQ**	**—**	Canada/English
SN-LKQ97-AR	**166515-166**	**SN-LKQ47-AR**	**296435-166**	—	**—**	Latin-American/Spanish
SN-LKQ97-AU	—	—	**—**	—	**—**	Brazil
Europe						
SN-LKQ97-AB	**166515-186**	**SN-LKQ47-AB**	**296435-186**	**LK461-AB**	**—**	Belgian
SN-LKQ97-AD	**166515-086**	**SN-LKQ47-AD**	**296435-086**	**LK461-AD**	**—**	Danish
SN-LKQ97-AE	**166515-036**	**SN-LKQ47-AE**	**296435-036**	—	**—**	UK
SN-LKQ97-AF	**166515-356**	**SN-LKQ47-AF**	**296435-356**	**LK461-AF**	**—**	Finland
SN-LKQ97-AG	**166515-046**	**SN-LKQ47-AG**	**296435-046**	**LK461-AG**	**—**	German
SN-LKQ97-AH	**166515-336**	**SN-LKQ47-AH**	**296435-336**	**LK461-AH**	**—**	Netherlands
SN-LKQ97-AI	**166515-066**	**SN-LKQ47-AI**	**296435-066**	**LK461-AI**	**—**	Italy
SN-LKQ97-AK	**166515-116**	**SN-LKQ47-AK**	**296435-116**	**LK461-AK**	**—**	Switzerland/French
—	**—**	—	**—**	**LK461-AL**	**—**	Switzerland/German
SN-LKQ97-AM	**166515-106**	**SN-LKQ47-AM**	**296435-106**	**LK461-AM**	**—**	Sweden
SN-LKQ97-AN	**166515-096**	**SN-LKQ47-AN**	**296435-096**	**LK461-AN**	**—**	Norway
SN-LKQ97-AP	**166515-056**	**SN-LKQ47-AP**	**296435-056**	**LK461-AP**	**—**	France
SN-LKQ97-AS	**166515-076**	**SN-LKQ47-AS**	**296435-076**	**LK461-AS**	**—**	Spain
SN-LKQ97-AT	—	**SN-LKQ97-AT**	—	**LK461-AT**	**—**	Hebrew
SN-LKQ97-AV	**166515-136**	**SN-LKQ97-AV**	**296435-136**	**LK461-AV**	**—**	Portugal
SN-LKQ97-AX	**166515-B46**	**SN-LKQ97-AX**	**296435-B46**	—	**—**	Bosnia, Herzegovina, Croatia, Serbia, Yugoslavia
SN-LKQ97-BH	**166515-156**	**SN-LKQ47-BH**	**296435-156**	**LK461-BH**	**—**	Greece
—	**—**	—	**—**	**LK461-BL**	**—**	Romania
SN-LKQ97-BP	**166515-246**	**SN-LKQ47-BP**	**296435-246**	**LK461-BP**	**—**	Poland
SN-LKQ97-BQ	**166515-216**	**SN-LKQ47-BQ**	**296435-216**	**LK461-BQ**	**—**	Hungary
SN-LKQ97-BR	**166515-176**	**SN-LKQ47-BR**	**296435-176**	—	**—**	Arabic
SN-LKQ97-BT	**166515-256**	**SN-LKQ47-BT**	**296435-256**	**LK461-BT**	**—**	Russia/Cyrillic
SN-LKQ97-BU	**166515-146**	**SN-LKQ47-BU**	**296435-146**	**LK461-BU**	**—**	Turkey
—	**—**	—	**—**	**LK461-BW**	**—**	Turkey/French
SN-LKQ97-BV	**166515-226**	**SN-LKQ47-BV**	**296435-226**	**LK461-BV**	**—**	Czech Republic
—	**—**	—	**—**	**LK461-BY**	**—**	Yugoslavia
SN-LKQ97-CZ	**166515-236**	**SN-LKQ47-CZ**	**296435-236**	**LK461-CZ**	**—**	Slovak
Asia Pacific						
SN-LKQ97-AJ	**166515-296**	—	—	—	—	Japan
SN-LKQ97-BI	**166515-AB6**	**SN-LKQ47-BI**	**296435-AB6**	—	—	Taiwan
SN-LKQ97-CV	—	**SN-LKQ47-CV**	—	—	—	China
SN-LKQ97-BK	**166515-AD6**	**SN-LKQ47-BK**	**296435-AD6**	—	—	South Korean
SN-LKQ97-CB	**166515-286**	**SN-LKQ47-CB**	**296435-286**	—	—	Thailand
SN-LKQ97-BA	**166515-B36**	**SN-LKQ47-BA**	**296435-B36**	—	—	International

Step 4—Memory

- Selection of a minimum of 128 MB memory is **mandatory** for CTO models
- Systems support 128 MB to 2 GB system memory (two memory banks support four DIMMs per bank).

SN-MSP01-KA	**388259-B21**	**128 MB ECC memory DIMMs (4 x 32MB DIMMs)**
SN-MSP01-KB	**388260-B21**	**256 MB ECC memory DIMMs (4 x 64MB DIMMs)**
SN-MSP01-KC	**388261-B21**	**512 MB ECC memory DIMMs (4 x 128MB DIMMs)**
SN-MSP01-KD	**388262-B21**	**1024 MB ECC memory DIMMs (4 x 256MB DIMMs)**

Step 5—Storage

All systems include an onboard UltraSCSI adapter for internal drives only. 667 MHz Packaged Systems/BTO models also include a PCI-based Ultra-2 SCSI adapter (one SN-KZPCA-AA/136237-B21 factory installed).

Step 5a—Internal Storage

- CTO models require one **mandatory** hard disk drive.
- Hard disk drive ordered with Windows NT, Tru64 UNIX or OpenVMS CTO models includes factory installed software.
- 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.
- One 3.5-inch x 1.6-inch and one 3.5-inch x 1.0-inch hard disk drives supported in the 5.25-inch removable media bays.

SCSI Disk Drives

SN-PBXRW-SC	**146443-B21**	9.1 GB Ultra2 LVD Wide SCSI 7200 RPM hard disk drive 1.0 inch drive
SN-PBXRW-TB	**146444-B21**	18.2 GB Ultra2 LVD Wide SCSI 7200 RPM hard disk drive, 1.0-inch drive
SN-PBXRW-RB	**388265-B21**	4.3 GB Ultra2 LVD Wide SCSI 10K RPM hard disk drive, 1.0-inch drive
SN-PBXRW-VA	**388266-B21**	9.1 GB Ultra2 LVD Wide SCSI 10K RPM hard disk drive, 1.0-inch drive
SN-PBXRW-WA[1]	**388268-B21**	18.2 GB Ultra2 LVD Wide SCSI 10K RPM hard disk drive, 1.6-inch drive (includes fan kit)

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

Removable Media

- 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.
- Systems support an additional ATAPI device.
- DVD is data support only (no MPEG-2 capability)
- DVD is backward compatible with CDROM media.

SN-TLZ10-LK	**388270-B21**	12/24 GB 4 mm DAT internal SCSI tape drive, 1.6-inch front accessible bay
SN-TLZ09-LK	**388269-B21**	4/8 GB 4 mm DAT internal SCSI tape drive, 1.6-inch front accessible bay
SN-PBXRX-CA	**146194-B21**	100MB ATAPI ZIP Drive
SN-PBXRV-AA	**146195-B21**	6X/32X ATAPI DVD-ROM Drive (Data device only)

Step 5b—External Storage

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

SCSI Controllers

- All Systems include an onboard UltraSCSI controller for internal disks only.
- Systems support a maximum of two additional PCI-based storage adapters or RAID controllers for additional storage
- 667 MHz systems include an additional PCI-based Wide Ultra-2 SCSI (LVD) adapter (one SN-KZPCA-AA, factory installed) used to improve internal disk performance. Therefore only one additional controller for external disk connection is allowed with these packaged systems.
- Raid configured disk arrays are supported as external configurations only (requires DS-BA356-KF external storageworks unit).

Maximum SCSI Controllers supported per system			Windows NT	Tru64 UNIX	OpenVMS
SN-KZPBA-CA	**388272-B21**	PCI-based single channel UltraSCSI Single-Ended adapter—requires one PCI slot.	2	2	2
SN-KZPBA-CB	**388273-B21**	PCI-based single channel UltraSCSI Differential adapter—requires one PCI slot.	2	2	2
SN-KZPAC-AA	**388274-B21**	PCI-based single channel RAID Array controller (UltraSCSI Single-ended) with 4 MB cache—requires one PCI slot.	1	1	1
SN-KZPAC-CA	**388275-B21**	PCI-based three channel RAID Array controller (UltraSCSI Single-ended) with 4 MB cache—requires one PCI slot. Note: External use of the third channel requires one additional PCI bulkhead slot and a BN31K-0E SCSI cable/bulkhead assembly kit.	1	1	1
SN-KZPAC-CB	**388276-B21**	PCI-based three channel RAID Array controller (UltraSCSI Single-ended) with 8 MB cache—requires one PCI slot. Note: External use of the third channel requires one additional PCI bulkhead slot and a BN31K-0E SCSI cable/bulkhead assembly kit.	1	1	1
SN-KZPCA-AA	**136237-B21**	PCI-based single channel Wide Ultra-2 (LVD) adapter —requires one PCI slot.	1	1	1

Expansion Boxes and SCSI cables

DS-BA356-KF	**108998-B21**	External StorageWorks deskside pedestal unit with 180 W power supply, dual speed blowers, UltraSCSI I/O personality module. Configured for single bus.
BN38C-xx (xx =-01 one meter length, up to –020, 20 meter lengths)	—	VHDCI male to 68-pin HD male SCSI cable. Required to connect external StorageWorks UltraSCSI pedestal to SN-KZPBA-CA/CB and SN-KZPCA-AA adapters.
BN37A-xx (xx=-01 one meter length, up to –025, 25 meter lengths)	—	VHDCI male to VHDCI male SCSI cable. Required to connect external StorageWorks UltraSCSI pedestal to SN-KZPAC-AA/CA controller.

Step 6—Graphics Options

- Graphics adapter is mandatory for Windows NT CTO models.
- Graphics adapter is optional for Tru64 UNIX, LINUX-ready or OpenVMS CTO models.
- 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 and OpenVMS graphics options require DIGITAL Open3D media, included in factory installed software (FIS).
- Customers installing LINUX must refer to their LINUX supplier for graphic adapter support.

Maximum Graphics Adapters supported per system			Windows NT	Tru64 UNIX	OpenVMS
SN-PBXGK-BB	**400712-B21**	ELSA GLoria Synergy graphics with 8 MB SGRAM. TrueColor at 1280 x1024	1/3[1]	3[1]	3[1]
SN-PBXGD-AD	**102454-B21**	PowerStorm 300 Midrange 3D graphics with 15MB framebuffer memory and 16MB texture memory TrueColor at 1280 x1024	2	1[2]	—
SN-PBXGD-AE	**102455-B21**[3]	PowerStorm 350 Midrange 3D graphics with 30 MB framebuffer memory and 32 MB texture memory TrueColor at 1900 x1200	2	1[2]	—

1. ELSA GLoria Synergy: Windows NT supports one head for 2D/3D, two or three heads for 2D only. Tru64 UNIX and OpenVMS support one to three heads for 2D only.
2. Updates on multi-head support can be located at htttp://www1.service.digital.com/open3d.
3. Powerstorm 350 customers requiring to display the highest resolution stereo graphics (1280x1024 @ 120Hz) should consider the Viewsonic P817 monitor as their current monitor solution.

Step 7—Color Monitors

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

SN-VRQP7-23 **SN-VRQP7-24**	**307806-B23** **307806-B24**	P75 COLOR MONITOR, -23 =Southern hemisphere, -24 = Northern hemisphere 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, Asset Control, includes video cable.
SN-VRQP1-23 **SN-VRQP1-24**	**325600-B23** **325600-B24**	P110 COLOR MONITOR, -23 = Southern Hemisphere, -24 = Northern hemisphere 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, includes video cable.
—	**305708-001**	P1610 COLOR MONITOR, NH P1610 Color Monitor -- 24" Trinitron monitor (22.5” viewable image size), 0.25-0.28mm variable aperture grille pitch, up to 1920 x 1200 resolution @ 76 Hz, 16:10 aspect ratio, Plug & Play, TCO '95, Colorific Software, Northern Hemisphere, includes video cable. (Note customers requiring 1900 x1200 display resolution requires Powerstorm 350 graphics adapter.)
SN-VRQF8-24	**307906-001**	TFT 8000 18” PANEL MONITOR TFT 8000 18” Panel Monitor -- 18” viewable image size, TFT active matrix, in plane switching technology 160 degree viewing angles, 1280 x 1024 resolution, brightness of 165 nits, detachable base. Requires ELSA Gloria Synergy graphics adapter.

Step 8—Network Options

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

Maximum supported per system			Windows NT	Tru64 UNIX	OpenVMS
SN-PCXAN-DE	**104865-B21**	PCI-based 10Base2 Ethernet (Thick wire) adapter	1	1	1
SN-PCXAN-DF	**388277-B21**	PCI-based 10Base5 Ethernet (Thick wire) adapter	1	1	1
SN-DE450-CA	—	PCI-based Ethernet Card (TW, TP, AUI)	2	2	2
SN-DE500-FA	**104877-B21**	PCI-based 10/100 MB/s Fast Ethernet, supports fiber MMF (Multi-Mode Fiber)	2	2	2
SN-DE500-BA	**104878-B21**	PCI-based 10/100 Mb/s Fast Ethernet, supports Twisted pair	2	2	2
SN-PBXNP-AC	**104879-B21**	PCI-based Token Ring adapter This option must be installed in PCI-1 bus for both NT and Unix.	2	2	2
SN-DEFPA-MB	**104880-B21**	PCI-based FDDI adapter DAS TP-PMD	2	2	2
SN-DEFPA-UB	**104881-B21**	PCI-based FDDI adapter SAS TP-PMD	2	2	2
SN-DEFPA-AB	**104882-B21**	PCI-based FDDI adapter SAS MMF, SC	2	2	2
SN-DEFPA-DB	**104883-B21**	PCI-based FDDI adapter DAS UTP, MMF, SC	2	2	2
SN-PBXDA-AA	**104884-B21**	PCI-based 4 Port Asynchronous Controller	2	2	2
SN-PBXDA-AB	**104885-B21**	PCI-based 8 Port Asynchronous Controller	2	2	2
SN-PBXDA-AC	—	PCI-based 16 Port Asynchronous Controller	2	2	2
SN-PBXDP-AA[1]	**104886-B21**	PCI-based 2 Port Synchronous Controller	—	2	2
SN-PBXDP-AB[1]	**104887-B21**	PCI-based 4 Port Synchronous Controller	—	2	2
SN-PBXDP-AC[1]	**104888-B21**	PCI-based 8 Port Synchronous Controller	—	2	2
SN-PBXIP-AB	**104889-B21**	PCI-based ISDN/BRI Controller U Interface	2	2	2
SN-PBXIP-AA	**104890-B21**	PCI-based ISDN/BRI Controller ST	2	2	2
SN-DGLPA-FA	**104891-B21**	PCI-based ATM 155mbps (fiber)- MMF (Multi-Mode Fiber)	—	2	—
SN-DGLPA-UA	**104892-B21**	PCI-based ATM 155mbps Cat5- UTP	—	2	—
SN-DEGPA-SA	**104893-B21**	Gigabit Ethernet Adapter	1	1	1

1. Select appropriate cable option with synchronous communication cards—BC33x-06.

Step 9—XP1000 Models 500 and 667 MHz Field Upgrade Option

SN-E2G6W-UG	**155830-B21**	XP1000/500 hardware CPU upgrade kit to XP 1000/667. Tru64 UNIX, OpenVMS and LINUX-ready only..

Step 10—Hardware Supplemental Services

FM-AWXHW-36	3 Year 5x9 Next Business Day Onsite XP1000/667 warranty uplift (must purchase within 90 days of system purchase).
FM-AW4HR-36	3 Year 5x9 Same Day - 4 Hour Response Onsite XP1000/667 warranty uplift (must purchase within 90 days of system purchase).
FM-AW724-36	3 Year 7x24 Same Day - 4 Hour Response Onsite XP1000/667 warranty uplift (must purchase within 90 days of system purchase).
FS-CPQ05-WJ	In Warranty XP1000/667 service upgrade for 1st year to 5x9 Next Business Day
FS-CPQ05-WK	In Warranty XP1000/667 service upgrade for 2nd or 3rd years to 5x9 Next Business Day
FS-CPQ05-35	Post Warranty XP1000/667 service – 5x9 Next Business Day
FM-AWINS-IN	XP1000/667 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-XP100-SI	Compaq AlphaStation XP1000 Installation and Setup Guide in seven languages—English, French, German, Japanese, Spanish, Italian, Dutch
EK-CPWXP-TI	Compaq AlphaStation XP1000 Technical Information Guide – English only
AG-RGD3B-BE	XP1000 Service Guide (CD-ROM)

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

OpenVMS

Software Processor Code = E

OpenVMS systems include an OpenVMS Alpha base license, OpenVMS 1 Concurrent Use license, NAS Client 150 Traditional License, MMS Runtime License and Open 3D for Open VMS License. NAS 150 enables the following OpenVMS Software Products: DECwindows Motif, DECnet End System, DECnet/OSI End Node, TCP/IP Client and OpenVMS Cluster Client software.

Step 11—Media and Documentation (continued)

OpenVMS Media and Documentation—required for first system on site

QA-MT1AT-H8	OpenVMS V7.2-1 Media on CD-ROM
QA-MT1AR-H8	OpenVMS V7.1-2 Media on CD-ROM
QA-MT1AA-H8	OpenVMS V7.1 media and on-line documentation on CD-ROM
QA-001AA-GZ	OpenVMS hardcopy documentation

OpenVMS Layered Products CD-ROM

QA-03XAA-H8	Layered products media and documentation for OpenVMS on CD-ROM

DIGITAL Open3D for OpenVMS CD-ROM

QA-0ADAA-H8	DIGITAL Open3D for OpenVMS on CD-ROM, includes graphics drivers

OpenVMS Concurrent Use Licenses

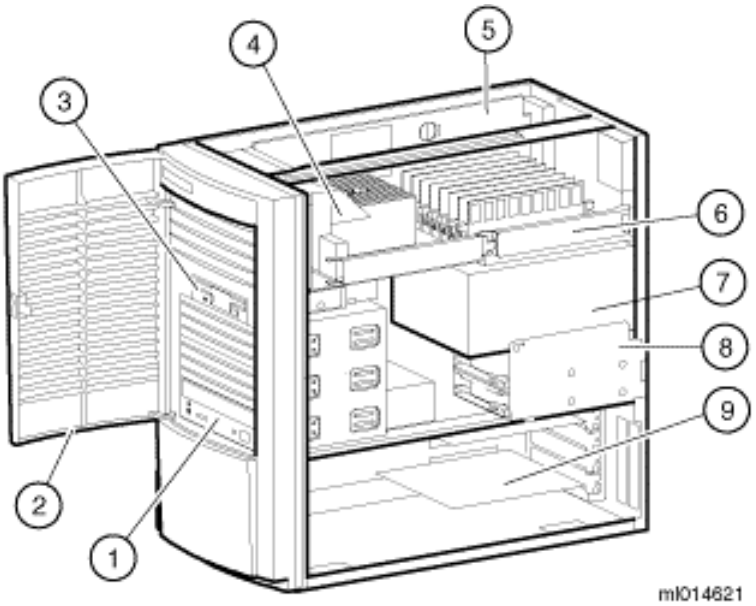
OpenVMS Concurrent Use Licenses are not specific to a single system and can be moved between systems at user discretion. OpenVMS Concurrent Use Licenses can also be shared in a mixed OpenVMS VAX and OpenVMS Alpha Cluster. The OpenVMS traditional unlimited use license is system specific and can only be used on one single system at a time. It can not be shared between systems or in an OpenVMS VAX or OpenVMS Alpha Cluster.

QL-MT3AA-3B	OpenVMS Concurrent Use 1-user license
QL-MT3AA-3C	OpenVMS Concurrent Use 2-user license
QL-MT3AA-3D	OpenVMS Concurrent Use 4-user license
QL-MT3AA-3E	OpenVMS Concurrent Use 8-user license
QL-MT3AA-3F	OpenVMS Concurrent Use 16-user license
QL-MT3AA-3G	OpenVMS Concurrent Use 32-user license
QL-MT3AA-3H	OpenVMS Concurrent Use 64-user license
QL-MT3AA-3J	OpenVMS Concurrent Use 128-user license
QL-MT3AA-3K	OpenVMS Concurrent Use 256-user license
QL-MT2AE-AA	OpenVMS traditional 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 AlphaStation XP1000 System Diagram



Inside View Description

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