



PRODUCT DATA SHEET

CHARON-AXP GS80 FOR WINDOWS

The CHARON-AXP family of products allows you to replace your existing Alpha computer systems with a general purpose computer without making changes to your software. It provides a very quick, low risk, and inexpensive method of replacing your Alpha systems now that they have been retired by Hewlett-Packard. The benefit of CHARON-AXP solutions is that you can continue using your valuable applications with no change, maintain your existing operating procedures, cut down on operational costs, and reduce energy consumption. The CHARON-AXP family can replace almost every Alpha computer that has ever been manufactured.

CHARON-AXP/GS80 for Windows is a virtual implementation of a data center Alpha GS80 server running on a 64 bit Windows host system. The virtual Alpha provides full binary compatibility with the GS80 hardware. It is designed to replace a large Alpha server with industrial standard Intel/AMD multi-core servers without any software conversion.

CHARON-AXP/GS80 has passed the original Alpha hardware qualification tests and is recognized by the Hewlett-Packard Company (HP) as a valid platform to run OpenVMS or Tru64. HP provides transfer licenses for the Alpha operating system and layered products to the virtual GS80, so that customers can continue their HP software support contracts without modification.

The Alpha operating system, user interface, network functionality and clustering are indistinguishable from a hardware-based Alpha environment. The virtual system has been extensively tested with the standard OpenVMS and Tru64 software, without software modification of any kind. There is no need for application sources; binary code and data can be copied in the usual manner.

While providing identical system behavior, virtual systems offer advantages. The virtual Alpha can be installed on multiple host systems, and moving the license key from one host system to another allows activation on another host system in just seconds. As virtual systems are purely software, complete system configurations including user software and databases can be archived with existing backup procedures and restored in a few minutes.

The virtual Alpha uses commodity host server items, therefore significantly reducing energy consumption, maintenance costs, and overall footprint.



BASE PRODUCT DETAILS

- The CHARON-AXP/GS80 base license provides a four CPU virtual Alpha system with 4 GB of memory. Console microcode upgrades are not required. The CD-ROM or DVD of the host system provides a fully compatible virtual Alpha optical drive. The host memory is used as virtual Alpha memory.
- The virtual GS80 has uniform low memory latency; memory optimization procedures as required on hardware GS80 systems are not necessary.
- Disk and tape storage are virtual, using container files on the host system or on a storage server, allowing backup with standard tools. The number of such container files is essentially unlimited. Alternatively, physical SCSI tapes and disks can be connected via a host SCSI controller (virtual KZPBA).
- Industry standard Ethernet adapters are used for Local Area Network connection (virtual DE500BA).

System configuration supports a maximum of 32 external SCSI and Ethernet adapters.

PRODUCT EXTENSIONS

A simple license upgrade is available for the following options (no re-installation required):

- Additional virtual Alpha CPUs up to a total of eight.
- Additional virtual Alpha memory up to a total of 32 GB.

5 x 8 and 24 x 7 installation and support services are available.

ORDERING INFORMATION:

CHAXP-808IP-WI base product license
CHAXP-CPU1P-WI individual CPU license
CHAXP-4GB-WI 4GB additional memory

PRESERVING YOUR SOFTWARE INVESTMENT ACROSS HARDWARE GENERATIONS !

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