



# CHARON™-AXP/Station for Windows

## Alpha Hardware Virtualization Software

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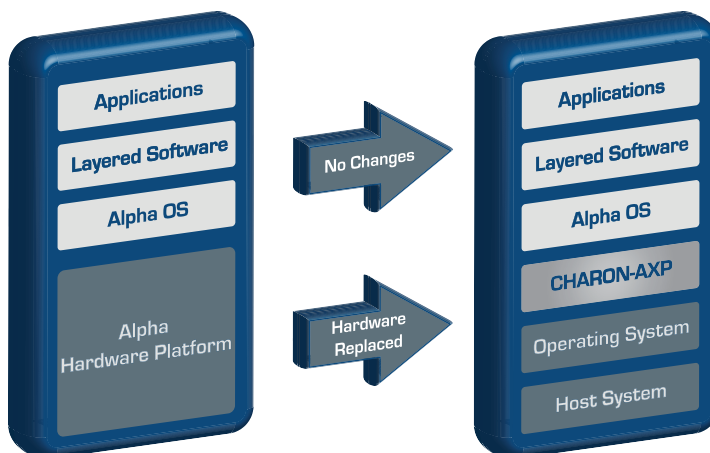
## HP Transfer Licenses

Hewlett-Packard (HP) recognizes CHARON-AXP as a valid Alpha replacement platform to run OpenVMS, and CHARON-AXP has passed the original Alpha hardware qualification tests. HP provides transfer licenses for the Alpha/OpenVMS and Tru64 operating systems and layered products, so that customers can continue to use their HP software and support contracts without modification.

CHARON-AXP/Station for Windows is an Alpha hardware abstraction layer (HAL) designed for the complete replacement of Alpha system hardware. When executed on a dual-core CPU Windows x64 XP or 2003 server, CHARON-AXP/Station for Windows provides the functional equivalent of an AlphaStation. CHARON-AXP/Station for Windows is designed to allow the substitution of the AlphaStation 200 or AlphaStation 250 with industry-standard systems. This substitution does not require any changes to the Alpha operating system, the layered software utilities, or the binary application code.

## Features

- Provides the performance of a single CPU AlphaStation 200 system, or of systems of an equivalent performance, when executed on a 2 GHz Intel Core2Duo or equivalent system.
- Does not require Alpha application code conversion nor application sources. OpenVMS/Alpha, layered software and applications can be directly installed on CHARON-AXP/Station for Windows and do not require any modifications. The application binaries, user interface and functionality remain unchanged.
- OpenVMS/Alpha, layered products and licensed applications running on CHARON-AXP/Station for Windows require the same licensing mechanism and units as the equivalent Alpha hardware requires.
- The software installation follows the same steps as on Alpha hardware; the host system's CD/DVD drive acting as a direct replacement for the Alpha input device.
- CHARON-AXP/Station for Windows operates as a Windows service.
- CHARON-AXP/Station for Windows provides 512 MB of Alpha memory and practically unlimited Alpha disks, represented as physical disks or as disk images (i.e. files in the host system) that are easy to backup. Depending on OpenVMS version used, expandable up to 8 GB Alpha memory.
- CHARON-AXP/Station for Windows provides up to four Ethernet adapters for a 10 or 100 Mbps network connections to other systems, terminal servers and X-terminal (emulators), providing support for Ethernet and all higher level protocols.
- OpenVMS/Alpha running on CHARON-AXP/Station for Windows can be configured as a LAN cluster with other CHARON-AXP products, CHARON-VAX products, and hardware Alpha or VAX systems.
- Provides a choice between one year (extendable) or perpetual usage licenses.
- Two levels of optional software support service are available.



## Software Product Description CHAXP-401\*-WI

### Functionality

Every CHARON-AXP product virtualizes the comparable Alpha computer model, the base license offering 1 Alpha CPU, up to 4 GB of Alpha memory, and the most common peripheral devices. Extra virtual Alpha CPU's and memory options (4 GB each) can be added to the base license, in order to create an exact copy of the original AlphaServer.

With the CHARON-AXP product range, most AlphaServer models that have been manufactured can be replaced, from the AlphaStation up to the Enterprise Class GS-series.

### Features Matrix

Virtualized Hardware	<b>AlphaStation 200/250</b>
Alpha CPU	21064/200 or EV4
Maximum Alpha Memory	512 MB
SCSI Subsystem	Yes
Emulated Alpha Disks	Yes
Emulated Alpha Tapes	Tapes can only be used for data exchange. Booting from tape is not possible.
Ethernet	Up to four (4) Ethernet controllers
OpenVMS/Alpha Clustering	NI Clusters or Shared Disk Clustering with simulated MSCSP disk controllers
Earliest OpenVMS Release	6.2-1H3
Asynchronous Serial Line Emulation	No
Host Memory Requirement	2 GB

### Ordering Information

#### CHARON-AXP/Station for Windows

Unlimited run time license	CHAXP-401P-WI
One year license	CHAXP-401B-WI
Back-up key	CHAXP-401K-WI
GOLD Support	CHAXP-401U-WI
PLATINUM Support (*)	CHAXP-401T-WI

(\*)Subject to geographical availability

### Host System Requirements

A dedicated 64-bit Windows 2003 or XP system with a dual-core CPU (AMD Opteron, Intel Xeon or Core2Duo) of at least 2 GHz, 2 GB main memory, a CD-ROM, minimum one (1) dedicated Ethernet adapter, a USB port for the license key and enough storage space for the Alpha disks.

### Product Contents

Distribution CD  
USB license key dongle  
Installation instruction  
Online documentation

### License Key

The CHARON hardware license key is permanently connected to the host system running the software. It preserves the customer specific license parameters, allows remote electronic updates and enables rapid change of host systems as the CHARON executable itself can be installed on multiple systems.

The MTBF (mean time between failures) of the key is more than 100 years. For mission-critical applications, a backup key containing 720 hours execution time can be ordered to meet any disaster recovery plan that requires replacement hardware.

### Warranty

The 3 months standard warranty for this product is the readability of the distribution media.