

# HP OpenVMS Systems

## HP Support for OpenVMS VAX, OpenVMS Alpha AXP and OpenVMS Layered Product Licenses on Emulators

Emulators prolong the usability of HP OpenVMS VAX, MicroVAX, single- and multi-CPU AlphaServer applications by enabling them to be transferred to new hardware platforms without any conversion effort. Examples of emulators include CHARON-VAX, CHARON-AXP, CHARON-Alpha (available from [Stromasys](#)), and SIMH/VAX (Open Source).

HP Services supports HP OpenVMS software on emulators running on **HP systems only**. Existing software service contracts are valid on **supported** OpenVMS VAX and OpenVMS Alpha AXP applications running on the appropriate emulator. HP fixes software problems if they are also seen in the comparable VAX or Alpha AXP environment.

The extension licenses described below are also required when transferring licenses to any emulators that have passed the standard qualification tests for emulation of VAX and Alpha. Standard support services are available for the OpenVMS and Tru64 UNIX operating systems and layered software running on any qualified emulator. Support for emulators is not available from HP, but may be available from the emulator provider.

The following products are included in the HP layered product extension license: ACMS, ALL-IN-1, ADA, BASIC, 'C', CMS, COBOL, DCE, DCPS, DECmigrate, DECram, DECwrite, DFS, DQS, DTM, DTR, DECnet-Plus, DECnet Phase IV, DECwindows Motif, FMS, Forms, Fortran, GKS, LSE, MACRO-64, MAILbus, MAILbus 400, MMS, Notes, Pascal, PCA, PHIGS, RMS Journaling, RTR, SLS, SQL, TCP/IP Services for OpenVMS, VAXcluster, OpenVMS Clusters, Volume Shadowing for OpenVMS, X.25, X.500. This list of products excludes any products that have third-party obligations that prohibit inclusion in this extension license.

HP provides the following extension licenses that will allow VAX systems running OpenVMS and VAX system layered products and licenses to be transferred to an emulation environment. For emulation that does not require additional LMF units on the target platforms, the licenses listed below **must be purchased** for the appropriate target platform.

### HP OpenVMS VAX operating system extension licenses

QM-6KQAA-AA	VAX OS License Extension to VAX Emulator on an AlphaServer	\$500
QM-	VAX OS License Extension to VAX Emulator	\$1000

## HP OpenVMS VAX layered product extension license

QM-6KRAA-AA	VAX LP License Extension to VAX Emulator on an AlphaServer	\$500
QM-6T8AA-AA	VAX LP License Extension to VAX Emulator	\$1000

HP provides the following extension licenses that will allow layered products and licenses to be transferred to the emulation environment. The licenses listed below **must be purchased** for the target platform.

## HP Tru64 Unix Alpha and HP OpenVMS Alpha operating system extension licenses

QM-755AA-AA	Alpha OS on an AXP system extended to an Alpha Emulator	\$1000
QM-755AA-AA	Alpha OS on a DS system extended to an Alpha Emulator	\$1000
2*QM-755AA-AA	Alpha OS on an ES system extended to an Alpha Emulator	\$2000
4*QM-755AA-AA	Alpha OS on a GS80 system extended to an Alpha Emulator	\$4000
6*QM-755AA-AA	Alpha OS on a GS160 system extended to an Alpha Emulator	\$6000
8*QM-755AA-AA	Alpha OS on a GS320 system extended to an Alpha Emulator	\$8000

## HP Tru64 UNIX Alpha and OpenVMS Alpha layered product extension licenses

QM-756AA-AA	Alpha LPs on an AXP system extended to an Alpha Emulator	\$1000
QM-756AA-AA	Alpha LPs on a DS system extended to an Alpha Emulator	\$1000
2*QM-756AA-AA	Alpha LPs on an ES system extended to an Alpha Emulator	\$2000
4*QM-756AA-AA	Alpha LPs on a GS80 system extended to an Alpha Emulator	\$4000
6*QM-756AA-AA	Alpha LPs on a GS160 system extended to an Alpha Emulator	\$6000

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8*QM-756AA-AA	Alpha LPs on a GS320 system extended to an Alpha Emulator	\$8000

## CHARON-VAX and CHARON-AXP Emulation

CHARON-VAX emulates complete VAX, VAXServer, and MicroVAX systems on OpenVMS Integrity systems or HP Proliant Windows platforms, allowing OpenVMS applications to run without being modified.

CHARON-AXP emulates single CPU Alpha systems on HP Proliant Windows platforms, allowing OpenVMS applications to run without being modified. Systems emulated are limited to: DEC3000 AXP; AlphaServer 300, 400; AlphaServer 1000, 2000; AlphaServer 4000; DEC OEM systems (DMCC).

CHARON-Alpha emulates most multi-CPU AlphaServer systems on HP Proliant Windows platforms allowing applications to run without being modified. Systems emulated include the DS, ES and GS series.

**The CHARON-VAX emulator and the CHARON-AXP emulator are software products owned, sold, and serviced by Stromasys. For more information about these emulators, please visit the [Stromasys Web site](#).**

HP created Base License Package, QP-6KQAA-AA, introduced in October 2005, for deployment with the CHARON-VAX 66X0 emulator. This emulates the VAX6610 to VAX6660 on OpenVMS and HP Proliant Windows XP platforms. If native VAX applications are running on systems smaller than a VAX66X0, additional LMF license units may be required to enable them to run on the CHARON-VAX 66X0 emulator **whatever the target emulation platform is**, whether OpenVMS or Windows XP. Base License Package QP-6KQAA-AA is available from [Stromasys](#).

### CHARON-VAX 66X0 Base License Package

QP-6KQAA-AA	<p>This package consists of 1200 LMF units for each of the following:</p> <ul style="list-style-type: none"> <li>• OpenVMS Base license</li> <li>• SMP</li> <li>• DECnet/OSI</li> <li>• VAXcluster</li> </ul> <p>and OpenVMS VAX Operating System Extension Licenses</p> <ul style="list-style-type: none"> <li>• QM-6KQAA-AA: VAX to CHARON-VAX for OpenVMS</li> <li>• QM-6T7AA-AA: VAX to CHARON-VAX for Windows</li> </ul> <p>plus HP Layered Product Extension Licenses</p> <ul style="list-style-type: none"> <li>• QM-6KRAA-AA: VAX to CHARON-VAX for OpenVMS</li> </ul>	\$5,995
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QM-6T8AA-AA: VAX to CHARON-VAX for  
Windows

One QP-6KQAA-AA package provides enough LMF units to support the VAX6610 and VAX6620 emulators.

Two QP-6KQAA-AA packages are required to support the VAX6630 to VAX6660 emulators.