



CHARON VAXstation/Notebook for Windows

SALEM AUTOMATION INCORPORATED

1598 Westbrook Plaza Drive
Suite 102
Winston-Salem, NC 27103

Phone: 336-661-0890
Fax: 336-661-9575

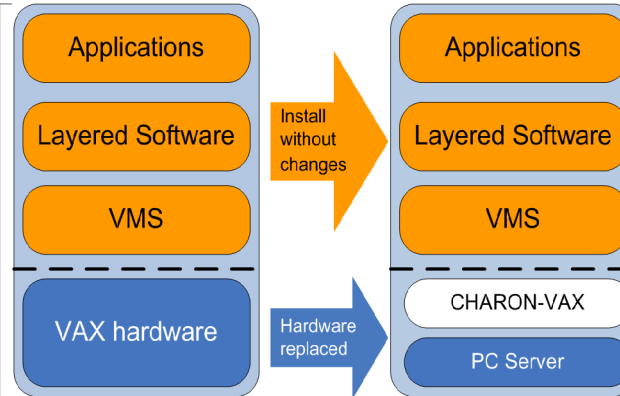
CharonSales@salemautomation.com

www.CHARONVAX.com

Functionality

CHARON-VAXstation/Notebook for Windows can be used to develop OpenVMS/VAX application software on a Notebook. The emulated functionality does not include diagnostic or maintenance modes or delays to simulate mechanical device behavior.

For a list of emulated components please see the Features Matrix.



CHARON - Vaxstation/Notebook is a VAX hardware abstraction layer that creates a virtual VAX computer system on a Windows XP host. CHARON - Vaxstation/Notebook for Windows is designed to allow the development of OpenVMS/VAX application software on a Notebook. Applications and

data can be transferred to CHARON-Vaxstation/Notebook for Windows by simply copying the original

VAX disk contents. This substitution does not require any changes to neither the OpenVMS operating system or the layered software utilities or the binary application code. CHARON-Vaxstation/Notebook for Windows can run any VAX operating system that runs on its equivalent hardware VAX. The existing VAX/VMS software can be copied as a VMS backup image from a VAX disk to a standard Windows disk file via Ethernet. The Windows disk file becomes a 'virtual' VAX disk without further changes.

Features

- ◆ CHARON-Vaxstation/Notebook for Windows includes partial VCB02 functionality so that a VMS workstation license (type D) can be used.
- ◆ CHARON-Vaxstation/Notebook for Windows comes in the form of a pre-configured, ready-to-run Vaxstation configuration with 16 MB RAM, two disks (images), one CD or DVD, and one Ethernet controller.
- ◆ The CHARON-Vaxstation/Notebook performance scales with the host CPU frequency.
- ◆ Application source code is not required. The existing operating system and applications can be transferred in binary form. No conversion or modification is needed.
- ◆ 'Virtual' VAX disks permit rapid backup, copying or archiving on a Windows network share, CD or DVD. They replace the much slower traditional VAX backup procedures.
- ◆ A 'ready-to-run' CHARON-Vaxstation/Notebook system disk image is included in the product to facilitate easy emulator setup and transfer of VAX operating system and application software. It can be used to assist in setting up the Ethernet connection, starting a remote VAX/VMS standalone backup and transferring the system image.
- ◆ Using a terminal emulator eliminates the need for a separate VAX console terminal.
- ◆ VMS and layered product transfer licenses from an existing VAX to CHARONVAXstation/Notebook for Windows are available from HP.
- ◆ CHARON-VAXstation/Notebook for Windows passes HP's AXE architecture test for VAX instruction compatibility.
- ◆ CHARON-VAXstation/Notebook for Windows can be configured as a VMS NI-cluster member. It supports Ethernet, DECnet and TCP/IP communications.



Host System Requirements

A dedicated 32-bit Windows XP SP2 Notebook of at least 1.4 GHz, a CDROM, one (1) dedicated Ethernet adapter, a USB port for the license key and minimum 8 GB storage space for the VAX disks.

Recommended Tools

HP Pathworks 32:
·VT525 terminal emulator
X-terminal emulator
Windows file copy

Product contents

Distribution CD
License key

License key

The CHARON hardware license key is permanently connected to the host system running the emulator. 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 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 three months standard warranty for this product is for the readability of the distribution media. Software Support (Gold or Platinum level) must be purchased as part of the initial purchase. Support Renewal beyond



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Typical applications

- ◆ Development of OpenVMS/VAX application software on a Notebook.

Features Matrix

CHARON-VAXstation/Notebook

Emulated VAX CPU	Vaxstation 3600 (KA650-B)
Earliest VMS version supported	4.6
VAX memory emulated	16 MB
Advanced CPU emulation (ACE)	No
MSCP Device Controller	Yes.
SCSI Subsystem	n/a
VAX SCSI disks	n/a
VAX SCSI tapes	n/a
Ethernet	Ethernet adapter, max. Connection speed 10 Mbps*
VAX/VMS clustering	NI Cluster
Serial line emulation	n/a
Qbus subsystem	n/a
Host memory requirement	256 MB

*The effective aggregate throughput depends on the host system's performance.

Ordering information

CHARON-VAXstation/Notebook

Unlimited run time license
Initial (one year) license
Back-up key
GOLD Support
PLATINUM Support*

*Subject to geographical availability.

For Sales Information, Please Contact:

Stacy Griffith
Southeast Regional
Sales Assistant
Winston-Salem, NC
336-661-0890, ext 102

Bob Gyles
Northeast Regional
Sales Manager
Boston, MA
978-425-2582

John Mercier
Western Regional
Sales Manager
Phoenix, AZ
480-633-5739

E-mail: charon_sales@salemautomation.com