

CHARON™ -AXP 3000 for Windows®

CHARON



Version 2.0

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CHARON-AXP 3000 for Windows creates the virtual hardware environment of a DEC3000-400 on a Windows 64 bit server system. It can replace the following single CPU AlphaServer systems:

- DEC3000/300,
- DEC3000/400,
- DEC3000/500,
- DEC3000/600,
- DEC3000/700 or
- DEC3000/800

It does not require application code to be recompiled or rebuilt. Installing either the standard OpenVMS or Tru64 UNIX operating system and copying the Alpha application and related files to the virtual Alpha is sufficient to run the original software.

Both OpenVMS and Tru64 UNIX are supported by CHARON-AXP 3000 for Windows. CHARON-AXP 3000 for Windows requires the same license units as the original hardware. OpenVMS transfer licenses are available from Hewlett Packard to maintain the license from the original Alpha on the virtual replacement.

CHARON-AXP 3000 for Windows is a virtual Alpha. It uses the same operating procedures to manage the system. It runs as a service under Windows and is managed via a Graphical User Interface that is accessible from the Windows task bar.

FEATURES

CHARON-AXP 3000 for Windows provides a virtual single CPU Alpha system environment on a standard AMD or Intel 64 bit server running Windows Server 2003, 64 bit version. The emulated components are:

- Alpha 21064/133 (EV4) CPU,
- 1 GB of emulated Alpha memory.
- Virtual Alpha disks (Disk images, Windows physical disks and raw SCSI devices),
- SCSI Storage adapter ¹⁾, 10 maximum,
- Tape device,
- CD-ROM,
- Floppy drive,
- One Ethernet port,
- VT-type terminal emulator.

Supports Alpha/OpenVMS and Tru64 UNIX, including shared disk and NI-clustering.

No graphic terminal emulation is provided with this product. Use commercially available X-terminal emulation software if this capability is required. .

CHARON-AXP 3000 for Windows can be licensed using an INDIVIDUAL license or a MULTI-INSTANCE license or a NETWORK license. Please see the licensing terms and conditions at www.softresint.com.

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.

Product contents:

Distribution CD
 USB license key dongle
 Installation instruction
 Online documentation

Warranty:

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

HOST HARDWARE REQUIREMENTS

- Windows 64-bit capable Intel Xeon (5000 or 7000 series) or AMD Opteron (2000 or 8000 series) server, 3 GHz or better,
- Number of physical CPU's or CPU cores: Each instance of CHARON-AXP 3000 for Windows requires two dedicated CPU cores in the host system.
- Windows Server 2003, 64 bit version,
- Memory requirement for each instance: 2.5 GB,
- Minimum one USB-slot for the license key,
- CD-ROM,
- Minimum 1 Ethernet adapter for each instance,
- Sufficient disk space to store the original Alpha disk content.

CHARON-AXP 3000 for Windows does not include any OpenVMS or Tru64 software or licenses.

Features matrix

Virtualized hardware (per Instance)	CHARON-AXP 3000
Alpha CPU	21064/133 or EV54
Maximum Alpha memory	1 GB
Max # of storage adapters (KZPBA)	10
Max # of Ethernet adapters (LANCE)	1
SCSI disk support (DKx)	Yes
SCSI tape drive support (MKx)	Yes
Raw SCSI device (GKx)	Yes
FibreChannel disk support (DGx)	OpenVMS only ¹⁾
IDE disk support (DQx)	OpenVMS only ¹⁾
MSCP disk support (Dux)	OpenVMS only ¹⁾
DSSI disk support (Dlx)	OpenVMS only ¹⁾
EISA RAID disk support (DRx)	OpenVMS only ¹⁾
Serial Lines support, 8 ports (PBXDA)	Yes
Earliest OpenVMS release	6.1
Earliest Tru64 release	?

Ordering information

CHARON-AXP 3000 for Windows	Individual License	Multi-instance License	Network License
Unlimited license	CHAXP-703IP-WI	CHAXP-703MP-WI	CHAXP-703P-WI
Initial (1 year) license	CHAXP-703IB-WI	CHAXP-703MB-WI	CHAXP-703B-WI
License extension for 1 year	CHAXP-703IE-WI	CHAXP-703ME-WI	CHAXP-703E-WI
Back-up key	CHAXP-703IK-WI	CHAXP-703K-WI	CHAXP-703K-WI
GOLD support for each instance	CHAXP-703IU-WI	CHAXP-703U-WI	CHAXP-703U-WI
PLATINUM support for each instance ²⁾	CHAXP-703IT-WI	CHAXP-703T-WI	CHAXP-703T-WI
60 Days evaluation license	CHAXP-703IV-WI	CHAXP-703V-WI	CHAXP-703V-WI

¹⁾ CHARON-AXP 3000 for Windows provides storage support through SCSI based storage emulation. A special OpenVMS driver is supplied to support non-SCSI devices, like DSSI, IDE and Fiber Channel presenting the OpenVMS operating system with the appropriate disk id's. Only SCSI storage emulation is available for Tru64 UNIX.

²⁾ Platinum support (24 x 7) is subject to geographical availability.