HOST PLATFORM COMPATIBILITY LIST
vtSERVER V2.10.1

This document provides a list of all hardware systems and components that are supported by the indicated version of vtServer.

If your hardware is not listed, this means that we have not yet tested it, not necessarily that it will not work. When in doubt send email to support@avtware.com

AVT cannot be held responsible that unverified products do not function properly or when the manufacturer drops support of a product.

If you intend to run vtServer on a virtualized host system, please see the Virtual Machine section at the end of this document for a list of supported hypervisors.

Systems

In general each X86 64-bit host should work; however, there may be occasions where a specific chipset or on-board controller may not yet be listed. When in doubt contact support@avtware.com

HP Server Platforms (G6 and newer recommended)

HP Proliant models ML (tower), DL (Rackmount) and BL (Blade)`

Note: HP Proliant e-models (e.g. DL360e) are not supported because of the software RAID HP implemented on these low-cost systems.

Other tested brands:

Asus
RS120-E3/PA4

Dell
PowerEdge Blade, Rackmount and Tower models:

SuperMicro
SuperServer 6024H-TR

Tyan
Transport GT20/PX22 B2865

Processors

Intel Xeon models 5500, 5600
Intel Xeon E3, E5 and E7
Intel i5, i7
AMD A6, A8, A10
AMD Phenom II
AMD Opteron 4000, 6000

For all processors the following rule applies: ***the higher the frequency, the better the virtualized performance***.

Ethernet Adapters (Wired)

3COM
3c905, 3c940, 3c996, 3c980

Allied Telesis
AT-2711FX-SC-901 Fiber Optic Ethernet adapter

Broadcom
BCM5701, BCM5708, BCM5721, BCM5787

D-Link
DFE-528TX, DFE-530TX, DFE-538TX

Intel
E1000, Pro/100, Pro/1000
82541GI/PI, 82546EB, 82566D, 82573L

Realtek
RTL8139, RTL-8168, RTL8169,

Graphic Adapters

Most standard graphics adapters are supported out of the box. When more advanced graphics features are needed, such as for the virtualization of a graphical workstation, adapters that use non-standard drivers may be required. A list of supported ATI and NVIDIA graphic adapters and the required drivers may be found on our web site at avtware.com/support.

Note: Management of vtServer is performed using the system console or using a browser-based interface that can be accessed from any system on the network; graphics support on the vtServer host system is not required.

ASUS
EAX550, EAH4350, EAH5450, EAH5670

AMD/ATI
Radeon
Rage XL

Intel
HD2000, HD3000
4500MHD
850GM, 965GM

Matrox
G550
P650

Nvidia
GEFORCE
NFORCE
QUADRO
NVS
TESLA
GRID

VIA
KM400

Storage Adapters

Adaptec
AIC-7899P
2020SA
2410SA
29160
29320

Emulex (FibreChannel)
All

HP
HP 412911
HP SC11Xe SCSI HBA
Smart Array P212
Smart Array P410
Smart Array P410i
Smart Array P411
Smart Array P812
Smart Array P711m
Smart Array 5300
Smart Array 5i
Smart Array 532
Smart Array 5312
Smart Array 641
Smart Array 642
Smart Array 6400
Smart Array 6400 EM
Smart Array 6i
Smart Array P600
Smart Array P800
Smart Array P400
Smart Array P400i
Smart Array E200i
Smart Array E200
Smart Array E500
Smart Array P700M
StorageWorks P1210m

Intel
82801ER (ICH5R) SATA

Qlogic (FibreChannel)
All

Promise
PDC20318
R20378

Serial Line Adapters

Moxa

2 ports multiport board

CP-102U, CP-102UL, CP-102UF, CP-102E, CP-102EL,
CP-132U-I, CP-132UL,, CP-132EL, CP-132EL-I,
CP-132, CP-132I, CP132S, CP-132IS,
CI-132, CI-132I, CI-132IS, C102H, C102HI, C102HIS, C102P, CP-102, CP-102S

4 ports multiport board

CP-104EL,
CP-104UL, CP-104JU,
CP-134U, CP-134U-I,
C104H/PCI, C104HS/PCI,
CP-114, CP-114I, CP-114S, CP-114IS, CP-114UL, CP-114EL, CP-114EL-I
C104H, C104HS,
CI-104J, CI-104JS,
CI-134, CI-134I, CI-134IS, C114HI, CT-114I, C104P
POS-104UL,
CB-114,
CB-134I

8 ports multiport board

CP-118EL, CP-168EL,
CP-118U, CP-168U,
C168H/PCI,
C168H, C168HS, C168P,
CB-108

Digi

Most types

USB Serial Line Adapters

Most brands and types

Virtual Machines

Hyper-V
Yes *)

KVM
Yes

VMware
Yes, ESXi 4.1, 5.0, 5.1 and 5.5

Xen
Yes

Users have experienced problems with some hypervisors, including VMware ESXi versions prior to 5.5, dropping USB devices dedicated to the vtServer host for the hardware license key. When this occurs, running virtual Alpha or VAX instances will be halted after the license time-out period (16 hours) is exceeded unless the license is served via a network license server in the interim.

We recommend the use of vtLicense or another network license server when running vtServer on a virtual host system to eliminate the risk of the hypervisor dropping the license device from the VM and to increase the flexibility of your virtual VAX and Alpha installation. Use of a network license server allows you to use the hypervisor's live host migration features (e.g., VMware vMotion) to move your virtual VAX and Alpha instances across physical hosts in the VM environment.

*) These virtual machine products do not support USB devices; use vtLicense instead.

vtMonitor Management Console

vtServer includes a browser-based graphical user interface (vtMonitor) that provides the capability to manage vtServer and the virtual Alpha and VAX configurations from any computer in the network with IP (http/https) access to the vtServer host..

Supported browsers (use recent versions):

Mozilla Firefox
Microsoft Internet Explorer
Microsoft Edge
Apple Safari
Google Chrome