

vtServer 2.10.0 Host Platform Compatibility List

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

When your hardware is not reflected in this list it does not necessarily mean that it will not work, we may just (yet) be unaware of it. When in doubt send email to support@avtware.com

AVTware cannot be held responsible for the fact that unverified products may prove not to work in practice, or that support has been dropped by the manufacturer of such product.

Please note that when running a Virtual Machine Hypervisor on top of any of the specified hardware components this changes the situation. We refer to the Virtual Machine section at the end of this document for supported VM's.

Systems

In general each X86 64-bit host should work, however there may be occasions where a specific chipset of on-board controller may not yet be included. 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 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,

Ethernet adapters (Wireless)

Broadcom

BCM4310, BCM4312, BCM4318, BCM4328, BCM4329, BCM94311,

Intel

PRO/Wireless 2100, 2200, 2915, 3945

Wireless WiFi Link 4965, 5300

Realtek

8180, 8185, 8187, 8192

Graphic adapters

Most standard graphics is supported out of the box, only when more advanced graphics is needed, like for the virtualization of a Graphical Workstation, additional functionality is required. For these purposes a range of ATI and NVIDIA adapters are supported. Drivers for these graphics adapters have to be installed (vtServer console configuration menu, configuration, update, optional, select driver kit).

The content of the available driver kits can be downloaded from avtware.com/support.html

The overview provided in this document is limited to those 2 product families only.

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

Note: vtAlpha itself does not require graphics support for the host it is installed upon. The graphical management console is web browser based and can run from any desktop connected to the network.

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

Player

Server

Workstation

ESX 3.5 and 4.0 ^{*)}

ESX 4.1 and newer

Xen

ESX 4.

Oracle

VirtualBox 4.16 and newer (at all times a special patch needs to be applied to VirtualBox).

Experience learned that sometimes and unpredictable VM hypervisors drop a USB connection, thereby denying vtServer access to the license key. This is outside the sphere of influence of vtServer but the loss of license access will cause virtual VAX(es) and Alpha(s) to stop after the license-check time-out period.

In case of a VM-host we recommend the use of a network license server (like vtLicense) to avoid this VM-originated problem and to increase the flexibility of your virtual VAX and Alpha installation. It allows you to move your virtual VAX and Alpha instances around across physical hosts in the VM environment.

^{*)} These virtual machine version do not support USB devices, use vtLicense or the network option of vtServer.

vtMonitor management console

The graphical User Interface that is packaged with vtAlpha and allows you to manage virtual Alpha configurations as well as the vtAlpha host environment. It is web browser based and can be run from any computer in the network that has access to the vtAlpha host computer (via IP- or DNS-address).

Supported browsers (use recent versions):

Firefox

Internet Explorer

Safari

Google Chrome