

vtAlpha 2.4 Host Platform Compatibility List

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

When your hardware platform of choice is not reflected in this list it does not necessarily mean that it will not work, we may just (yet) be unaware of it. Help keep this list up-to-date by informing us (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

Asus Server Platforms

RS120-E3/PA4

Dell Server Platforms

PowerEdge Blade, Rackmount and Tower models:

HP Server Platforms

Proliant BL280c G6
Proliant BL2x220c G7
Proliant BL460c G7
Proliant BL465c G7
Proliant BL490c G7
Proliant BL620c G7
Proliant BL680c G7
Proliant BL685c G7
Proliant DL320 G6
Proliant DL360 G7
Proliant DL370 G6
Proliant DL380 G7
Proliant DL385 G7
Proliant DL580 G7
Proliant DL585 G7
Proliant ML350 G6
Proliant ML370 G6

Note: depending on the adapter(s) that will be added to the system, it may be required to do a post-installation of the Proliant Support Package which is available from the HP website. Normally this is not required.

SuperMicro Server Platforms

SuperServer 6024H-TR

Tyan Server Platforms

Transport GT20/PX22 B2865

Processors

Intel Xeon models 5500, 5600
Intel Xeon E3, E5 and E7
Intel i5
Intel i7 (2nd Generation)
AMD Phenom II
AMD Opteron 4000, 6000

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

Ethernet adapters (Wired)

3COM

3c905
3c940
3c996
3c980

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
PRO/Wireless 2200
PRO/Wireless 2915
PRO/Wireless 3945
Wireless WiFi Link 4965
Wireless WiFi Link 5300

Realtek

8180
8185
8187
8192

Graphic adapters

ASUS

EAX550
EAH4350
EAH5450
EAH5670

ATI

Radeon RV100
Radeon HD2400
Radeon HD3200
Radeon HD3650
Radeon HD4200
Radeon HD4290
Radeon HD5145
Radeon 7000
Radeon HD 4250
Radeon 9250
ATI Rage XL

Intel

HD2000
HD3000
4500MHD
850GM
965GM

Matrox

G550
P650

Nvidia

GeForce GT220
GeForce GTX260
GeForce GT440
GeForce 2 MX/MX400
GeForce 2 GTS Pro
GeForce 3
GeForce 4 420 Go
GeForce 4 MX-440
GeForce MX4000
GeForce 4 TI4600
GeForce FX5200, FX5500, FX5700, FX5900
GeForce 6100, 6150, 6200, 6600, 6800
GeForce 7150, 7200, 7300, 7600, 7800,7950
GeForce 8300, 8400, 8500, 8600,8800
GeForce 9200, 9300, 9600, 9800
Quadro NVS 440
Quadro NVS 295
Quadro FX350
Quadro FX1500

VIA

KM400

Note 1: vtAlpha does not include support for a virtual Graphics adapter. All graphical functionality can be supported by using commercial-of-the-shelve X-Windows emulators.

Note 2: vtAlpha itself does not require graphics support for the host it is installed upon. The graphical management console is web browser based and can be run from any desktop connected to the network.

Storage adapters

Adaptec

AIC-7899P
2020SA
2410SA
29160

Emulex (FibreChannel)

All

Intel

82801ER (ICH5R) SATA

Qlogic (FibreChannel)

All

Promise

PDC20318
R20378

Virtual Machines

Hyper-V

Yes, note Hyper-V provides no USB-support → remote license server or USB redirector required.

KVM

Yes

VirtualBox

Yes (4.1 qualified in our lab)

VMware

Player
Server
Workstation
ESX 3.5 ^{*)}
ESX 4.0 ^{*)}
ESX 4.1
ESX 5.0

Xen

ESX 4.

Note: for all Virtual Machine hosts the following guidelines should be observed:

1. Ensure you have sufficient memory allocated. Most Virtual Machines default on 384 MB. Please allocate at least 1.5 GB + amount of virtual Alpha memory.
2. Ensure your network adapters are under full control (promiscuous mode is enabled) of the vtAlpha installation, otherwise it will not work.

^{*)} These virtual machine version do not support USB devices, use the network option of the vtAlpha license key.

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:

Firefox v3, v4, v5, v6, v7

Internet Explorer v7, v8, v9

Safari v5

Google Chrome v18