

vtServer 2.8.3 Host Platform Compatibility List

This document provides a list of hardware systems and components that are supported by the most recent version of vtServer. **If your hardware is not included in this list it does not necessarily mean that it will not work.** If you wish to use a device that is not listed, please send email to support@veretechnologies.com

Vere Technologies cannot be held responsible for the fact that unverified products may prove not to work in practice or when support for a product has been dropped by the manufacturer.

Please refer to the Virtual Machine section at the end of this document for supported virtual machine hypervisors.

Systems

Most X86 64-bit systems should work as vtServer hosts; however, newer chipsets or on-board controllers may not yet be supported. If you wish to use a system not listed here, please contact support@veretechnologies.com

HP Server Platforms (G6 and newer recommended)
HP Proliant models ML (tower), DL (Rackmount) and BL (Blade)

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
Intel i7
AMD Phenom II
AMD Opteron 4000, 6000

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

When using processors with hyper threading capability, only the physical cores may be used; hyper threading should be disabled in the BIOS configuration to prevent inadvertent use of logical CPUs, which do not meet the performance requirements of the vtAlpha and vtVAX emulators.

Ethernet adapters (Wired)

3COM

3c905
3c940
3c996
3c980

Allied Telesis

AT-2711FX-SC-901 Fibre 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
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, HD3200, HD3650, HD4200, HD4250, HD4290, HD5145, HD6450, 7000, 9250

Rage XL

Intel

HD2000, HD3000

4500MHD

850GM, 965GM

Matrox

G550

P650

Nvidia

GEFORCE

6100, 6150, 6200, 6250, 6400, 6500, 6600, 6700, 6800

7000, 7025, 7050, 7100, 7150, 7200, 7300, 7350, 7400, 7500, 7550, 7600, 7650, 7700, 7800, 7900, 7950

8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800

9100, 9200, 9300, 9400, 9500, 9600, 9650, 9700, 9800

G, GT, GTS, GTX

QUADRO

FX 350, 360, 370, 380, 540, 550, 560, 570, 580, 770, 880

FX 1400, 1500, 1600, 1700, 1800

FX 2200, 2500, 2700, 2800

FX 3400, 3450, 3500, 3600, 3700, 3800

FX 4000, 4500, 4600, 4700, 4800

FX 5500, 5600, 5800

410, 500, 600, 1000, 2000, 3000, 4000, 5000, 6000, 7000

NVS

110, 120, 130, 135, 140, 150, 160, 210, 285, 290, 295, 300, 310, 320, 420, 440, 450, 510

2100, 3100, 4200, 5100, 5200, 5400

TESLA

C870, C1060, C2050, C2070

M1060, M 2050, M2070, M2075, M2090, X2090

K 10, K20, T10, T20

X2090

GRID

K1, K2, K340, K520

VIA

KM400

Note 1: vtServer does not include support for a virtual Graphics adapter: it uses (embedded) X-Windows to replace graphics.

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

Storage adapters

Adaptec

AIC-7899P
2020SA
2410SA
29160
29320

Emulex (FibreChannel)

All

HP

HP 412911
HP SC11Xe SCSI HBA
HP 82B PCIe 8Gb FC Dual Port 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 (a special patch to VirtualBox is required).

^{*)} These virtual machine versions do not support USB devices; vtLicense or a network license server must be used.

When running vtServer on a virtual host system, we recommend the use of a network license server such as vtLicense. This allows the host to be migrated to another virtual machine without physically moving the USB license key.

We have found that VM hypervisors that support connecting USB devices to the virtual machines may unpredictably drop those connections. If this occurs with the USB port being used for the vtServer license key, all virtual Alpha and VAX systems will shut down after the license-check time-out period (16 hours) expires.

vtMonitor management console

vtMonitor is a browser-based graphical user interface used to manage the vtServer host environment and the virtual Alpha and VAX configurations. vtMonitor may be accessed from any system on the network with IP access to the vtServer host system. Supported browsers are:

Mozilla Firefox

Microsoft Internet Explorer

Apple Safari

Google Chrome

We recommend that recent versions of the browsers be used: older versions, particularly of Microsoft Internet Explorer, may exhibit problems formatting certain displays.