

NEW!

VAX on a Board

Real-Time VAX Replacement



NuVAX 1200

NuVAX 1200 allows you to “drop a new engine” in your MicroVAX replacing the CPU, memory and disks. Now you can upgrade your real-time application with modern, easy-to-maintain equipment that allows you to preserve your investment in hardware and software while improving performance and lowering operating costs...all this plus a new equipment warranty.

The NuVAX 1200 is uniquely designed to support real-time applications that require timely and predictable responses to interrupt requests. Real-time 24/7/365 operations require reliable execution over extended time periods without unwanted interruption. The NuVAX 1200 provides support for DEC, third-party and custom-developed Qbus controllers to ensure the continued viability of mission-critical applications that still depend on this legacy equipment.

Migration is easy. Simply remove the CPU and memory from your MicroVAX chassis and plug in the NuVAX 1200 board. Run the VMS Standalone Backup utility to transfer your system image to NuVAX.

Eliminate

- Obsolete disks and tapes
- High maintenance costs
- Aging CPU and memory

Preserve

- Existing VAX system and application software
- Standard and custom Qbus I/O interfaces
- Your Qbus chassis*
- Cabinets and cables

Embedded Standard I/O

Reduces power and space and replaces these old devices:

- DELQA Ethernet port
- RQDX2, RQDX3 and KDA50 virtual drives
- TK50 / 70 virtual tape drive
- DLV11 serial console port
- DLV11 serial terminal/printer port

Increase Performance

- Run time performance up to 26 VUPS
- Significantly reduced boot time
- High performance disk and memory

VAX Compatibility

- Real-time applications supported
- Supports both VMS and VAXIn OS
- Software compatible with existing applications
- Qbus compatible
- MDM diagnostic compatible

Qbus Support


- Supports all Qbus devices
- Follows all Qbus rules and specifications
- Both Qbus PIO and DMA data transfers are supported as well as all four Qbus interrupts
- Qbus PIO and DMA transfers occur at maximum Qbus speeds. Throughput is limited only by the Qbus device(s).

* See the NuVAX 2200 for a NuVAX system in a brand new Qbus chassis

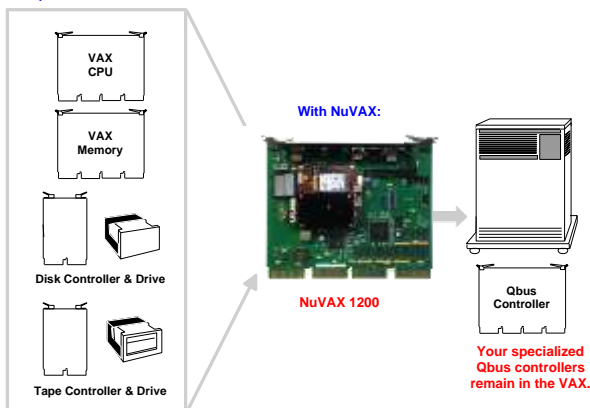


Specifications

Physical	
Dimensions	Standard quad-width board, 26.7 cm by 21.3 cm by 2.8 cm; Requires 3 quad-width Qbus slots.
Enclosure Compatibility	BA23, BA123, BA200 / BA400 series
VAX Compatibility	
Processors Supported	MicroVAX II, MicroVAX 3300, 3400, 3500, 3600, 3800, 3900, 4100 and 4200
MicroVAX Memory	Up to 64MB Up to 512MB for model 4000
Hard Drive	Solid state, 57GB usable space for all virtual tapes and disks.
Disks Emulated	Up to two virtual MSCP controllers of type RQDX3, RQDX2 and / or KDA50. Each controller can have four logical units of 32MB up to 8GB each.
Tapes Emulated	Up to two TMSCP controllers of type TQK50 and / or TQK70. Tape and disk storage competes for the available usable hard drive space.
Ethernet	
DELQA	10/100 port
Manager (MGR)	Manager port
RS232 Serial Ports	
Speeds	Standard speeds up to 19200 baud
Console	Console port
Terminal	User terminal/serial printer
Miscellaneous	
USB	4 ports, reserved for system management and license key
VGA	Reserved for system management
Battery	User replaceable, 3V lithium; Battery life 5 years
Audio Alarm	Power-on self test error beep

Front Panel LEDs	
ACT - Green	Software activity
NET - Red	Network activity
QBA - Green	Qbus activity
ERR - Red	Hardware failure
Power Required	
+5.0 volts	5.5 amps
+12 volts	Not required
Qbus	
dc Loading	1 dc load
ac Loading	1 ac load
Drive Capability	19 additional dc loads
Environment	
MTBF	80,000 hours
VAX/VMS License	Qualifies for transfer
Operating Conditions	
Temperature	10° to 50° C (50° to 120° F)
Relative Humidity	20% to 80% non-condensing
Storage Conditions	
Temperature	-40° to 60° C (-40° to 140° F)
Relative Humidity	5% to 90% non-condensing
Console Panel (CPX-1007-A)	
	B size bulkhead panel with easy access to Console and Manager ports
Dimensions	6.3 cm by 8.1 cm by 0.12 cm
Attached Cables	36-inch cables for connection to the Console and Manager ports.
Console Accessory Cables	
Can be used in place of the Console Panel	
9-Pin Cable	18-inch DE9-S to DE9-P for DEC signal/connector compatibility
25-pin Cable	18-inch DE9-S to DB25-P for DEC connector compatibility

Replace all of these:



Ordering Information

Part Number	Description
MXV-1200-AA	NuVAX 1200 includes quad-width Qbus module, Console Panel, DE9 and DB25 accessory cables and installation manual on CD.
MXV-1200-AS	NuVAX 1200 spare system package. Does not include license/key, Console Panel, or accessory cables.
MXV-2200-AA	Rack-mount NuVAX 2200 system, includes MXV-1200 with Console Panel, accessory cables and installation manual on CD.