

# NEMONIX™ Engineering VAX 7000 Series CPU Upgrades

## Technical Specifications

**NEMONIX™ Engineering has just what you need when your VAX 7000 Series System has reached maximum utilization!** There are no associated software or OpenVMS VAX re-licensing fees. No system ID changes. No changes to OpenVMS VAX. Just Pure Power! It's one quick installation away. Our upgrades are self installable and maintainable by your service provider. The NEMONIX™ Engineering 7000 Series CPU & Cache Upgrades, highlighted below, is a superior, efficient, cost-effective and risk free approach to the complex issue of system expansion.

### Performance Statistics and Product Numbers

VAX Model Number	CPU Boards	Standard System	NEMONIX™ Upgraded XL/XLC	Performance Increase*	NEMONIX™ Part Number
VAX 7610	1	35 VUPs	66/80VUPs	89%/129%**	NX7610-XL/XLC
VAX 7620	2	65 VUPs	123/149VUPs	89%/129%**	NX7620-XL/XLC
VAX 7630	3	95 VUPs	179/216VUPs	88%/127%**	NX7630-XL/XLC
VAX 7640	4	125 VUPs	236/285VUPs	89%/128%**	NX7640-XL/XLC
VAX 7710	1	50 VUPs	80VUPs	60%	NX7710-XLC
VAX 7720	2	93 VUPs	149VUPs	60%	NX7720-XLC
VAX 7730	3	135VUPs	216VUPs	60%	NX7730-XLC
VAX 7740	4	178 VUPs	285VUPs	60%	NX7740-XLC
VAX 7810	1	60 VUPs	80VUPs	33%	NX7810-XLC
VAX 7820	2	111 VUPs	149VUPs	34%	NX7820-XLC
VAX 7830	3	162 VUPs	216VUPs	33%	NX7830-XLC
VAX 7840	4	213 VUPs	285VUPs	34%	NX7840-XLC
VAX 7850	5	255 VUPs	339 VUPs	33%	NX7850-XLC
VAX 7860	6	306 VUPs	407 VUPs	33%	NX7860-XLC

\* Actual system throughput performance may vary due to system configuration and application.

\*\* Cache Memory upgraded from 4 MB to 16 MB on all but XL for 76XX series.

CPU replaced by an EV4/5 fabricated CPU that runs at 177 MHZ

### Configuration

Quantity	Description
1,2,3,4,5,6	Upgraded mother board(s)
1	7000 Series Installation Guide
<b>Note:</b> Trade-in of existing CPU board(s) is required.	
<b>Operating Temperature</b>	
<ul style="list-style-type: none"> <li>0° to 70° centigrade</li> </ul>	
<b>Meantime Between Failure</b>	
<ul style="list-style-type: none"> <li>52,416 hours</li> </ul>	
<b>Diagnostics</b>	
<ul style="list-style-type: none"> <li>All Original DEC diagnostics are compatible</li> </ul>	

### Features and Benefits

- Original Design of stock board by Digital Equipment Corp.
- 3 year Warranty
- Maintainable and installable by all service providers
- Simple board-level upgrade
- Full hardware and software compatibility
- Maximizes the return on your investment

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