



# Miniature Computer Platform

## NanoServ™ Embedded Linux Family

*Patton's NanoServ is a rugged, powerful, industrial-strength, embedded Linux server in an ultra-miniature package.*

### Compact

6.7 x 4.9 x 1.5 in.  
(17 x 12.4 x 5.8 cm)

### Powerful

800-MHz VIA processor equal to  
1.3-GHz Pentium

### Heavy Duty Metal Case

Ready for the toughest environment but  
attractive enough for a desktop

### Fan-less

No moving parts; nothing to break;  
longer life

### Compatible

The NanoServ comes equipped with all the  
standard external I/O interfaces (serial, keyboard,  
mouse, USB, Line/out, Ethernet) found on  
ordinary PCs

The Patton NanoServ family of embedded Linux systems are available for specialized industrial and commercial applications, such as security, networking, and machine control. The NanoServ systems are available in a solid-state, diskless model or in a slightly larger model with a 40-Gbyte disk. Both models come with a rugged metal case suitable for the toughest environments. With no fans or other moving parts in the diskless system, the NanoServ requires no physical maintenance and has nothing to wear out over time.

The Patton NanoServ family provides the equivalent of 1.3 GHz of Pentium processing power based on the 800-MHz VIA Eden Nano CPU. The VIA processor includes support for hardware encryption that enables technologies such as advanced PGP (Pretty Good Privacy) public keys and AES (Advanced Encryption Standard) encryption used in IPsec, enabling the creation of ultra-secure traffic flows between users. The encryption technologies will be useful in applications

such as Virtual Private Networks (VPNs), corporate peer-to-peer LANs with restricted access for sensitive projects, and home wireless networks.

Applications can easily be developed to provide secure instant messaging,



group chats, distributed presence, file browsing, file transfer, and support for multiple formats of ad hoc secure networking. The NanoServ family is designed to run local applications for specific vertical markets, plus allow access across a network to multi-user Linux servers.

The NanoServ comes pre-installed with a Fedora Core 5 Linux system\* that fully boots in under 30 seconds. Fedora Core 5 is compatible with the vast majority of Linux applications and can automatically detect and auto-configure most x86-based hardware.

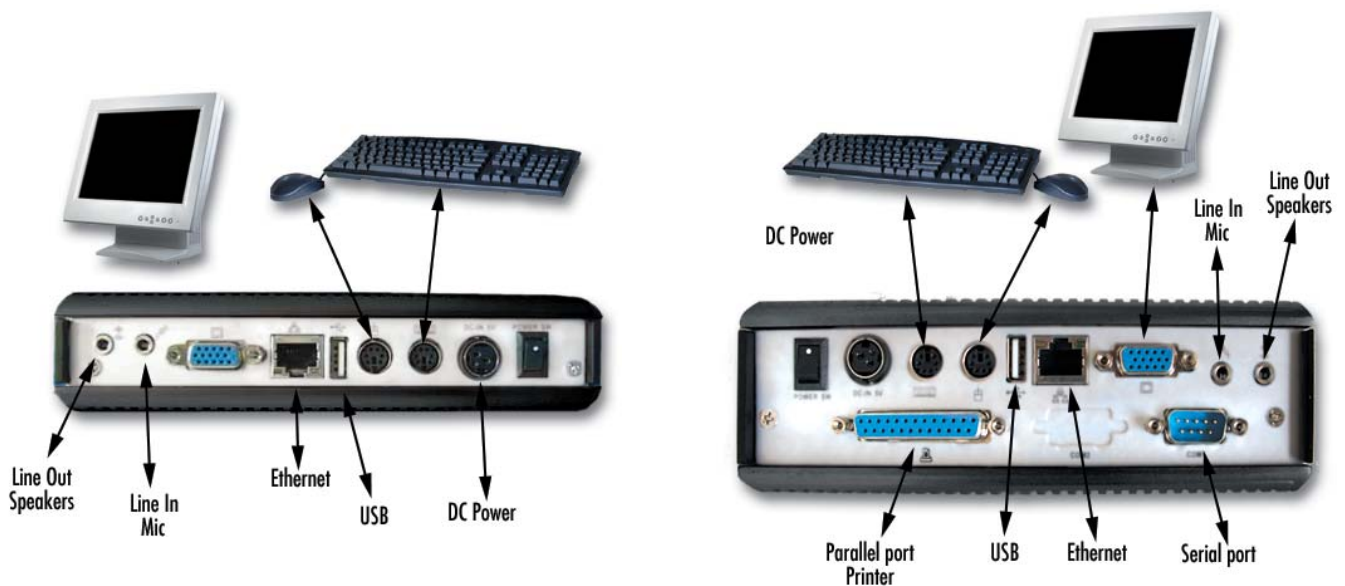


**Model 6075**  
Fan-less with  
40GB hard disk



**Model 6073**  
Diskless and  
fan-less





## Specifications\*

<p><b>CPU</b> Onboard VIA EDEN Nano processor BGA type (1.3 GHz Pentium equivalent)</p> <p><b>System Chipset</b> VIA CLE266 and VT8235</p> <p><b>BIOS</b> AMI BIOS</p> <p><b>RAM</b> Onboard 128/256Mb DDR266—256MB DDR is standard, minimum quantity for 128 Mb</p> <p><b>I/O Interface</b> Powered with VIA VT1211 Chip 1 x EIDE ( Ultra DMA 133) 1 x LPT 1 x RS232</p>	<p>1 x PS2 Keyboard 1 x PS2 Mouse 2 x USB 2.0 Ports (one on front) 1 x X-PCI Bus (Internal)—needs custom case for room to attach adapter or card</p> <p><b>Connectors</b> External 15-pin D-Sub female connector for VGA x 1 External 10-pin COM Port x 2 External RJ-45 connector for Ethernet x 1 External 25-pin D-Sub female connector for Printer x 1 External USB connector x 2 External PS/2 connector for Keyboard x 1 External PS/2 connector for Mouse x 1 Jack x 2 for Line-Out/MIC-In—Internal pin header for Line In</p>
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<p><b>VGA</b> Powered by Integrated VIA Uni Chrome 2D/3D Graphics with MPEG2 Accelerator Display Memory: 8/16/32 MB share system memory Resolutions: CRT mode: 1280 x 1024 at 32 bpp (85 Hz) LCD/Simultaneous mode: 1280 x 1024 at 32 bpp (85 Hz)</p> <p><b>LAN</b> Powered by VT6103 10/100Base-T chip Remote Boot ROM: built-in boot ROM function</p> <p><b>Audio</b> Powered by VT1616 AC97 2.2 (Codec) Audio Interface: Line out, Line in, Mic in</p>	<p><b>Power Requirement</b> +5V at 4.5A (with 800 MHz VIA Eden Nano CPU, 256 MB DDR266 &amp; Notebook HDD)</p> <p><b>Physical specifications</b> <b>Dimensions</b> Ultra-Thin Case: 6.7 x 4.9 x 1.5 in. (170 x 124 x 38 mm) Thin Case: 6.7 x 4.9 x 2.3 in. (170 x 124 x 58 mm)</p> <p><b>Weight</b> Ultra-Thin Case: 1.7 lb (780 g) Thin Case: 2.0 lb (940 g)</p> <p><b>Operating Humidity:</b> 0–90% relative humidity, non-condensing</p> <p><b>Operating Temperature:</b> 32–140°F (0–60°C)</p>
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\* Specifications subject to change without notice.

## Ordering Information

**6072/UI:** Diskless NanoServ in a Thin Case

**6073/UI:** Diskless NanoServ in an Ultra-Thin Case

\* Available with other Linux distributions. Call for availability.

**6074/UI:** NanoServ with a 256MB Flash Drive in a Thin Case

**6075/UI:** NanoServ with a 40GB Hard Disk in a Thin Case

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