



The Embedded Linux for B2B Appliance Computing

Introducing a whole new way to look at Linux - Neolinux, the first embedded Linux distribution designed specifically for business-focused information appliances. Based upon Official Red Hat Linux, Neolinux offers complete Linux compatibility, full security, appliance features, simple operation and complete central management. From Neoware, the leader in appliance computing.

Appliance computing

Now you can harness the power of your network or the Internet, with appliance computing from Neoware. Instead of the support headaches of personal computers, Neolinux gives you an optimized, secure version of the industry-standard Linux operating system with complete central management and upgrades. We've taken the complexity out of Linux and streamlined it to operate on simple appliances, such as Neoware's "Eon - The Anything Box"- appliances with no fan, hard drives or other moving parts.

Complete Linux compatibility

Based on the industry-standard Red Hat Linux operating system, Neolinux gives you binary Linux compatibility in an embedded operating system. Combined with Linux software from other companies, Neolinux is designed to power a new generation of smart information appliances such as firewalls, routers, interactive web kiosks, point-of-sale devices, thin clients, security devices, and wireless appliances. We've harnessed the power of open-source computing to provide a robust, powerful Linux environment for appliance applications.

Add local applications, or run them from a server

With Neolinux you can add virtually any Linux application to create virtually any type of appliance. Just think of the possibilities. And to run other applications we've built in all the features you need to connect to the Internet and run applications on virtually any server, including mainframes, minicomputers and UNIX machines. You can even run Windows applications from a multi-user server.

Eliminate Linux complexity with Neoware's "ez" features

Neolinux is compact and easy to use, manage and configure. We've added such features as **Neoware ezCompress** to streamline the Linux operating system so that it can be installed on small, inexpensive devices without a hard drive; **Neoware ezManage** to provide complete central management and offer you a view of all the Neolinux appliances on your network, allowing you to remotely manage, configure and update them from your desk; **Neoware ezOff** lets you turn Neolinux-powered devices off simply without going through a complicated "shut down" process; and **Neoware ezSecure**, which locks down the Linux operating system by making it "read only," providing a greater level of security than a desktop or server Linux distribution.

From Neoware - the embedded Linux leader

Neoware has brought more than ten years of embedded UNIX experience to Linux. For more information about Neolinux - or Neoware's Linux or Windows-based appliances - call us at **1-800-neoware** (636-9273), or visit us on the web at www.neoware.com.



Neolinux - The Embedded Linux for Appliance Computing

Key features and benefits:

- Embedded version of the Red Hat Linux operating system
- Complete Linux compatibility enables embedding Linux applications in an appliance
- ezCompress creates a streamlined version of Linux OS
- ezSecure makes OS "read-only"
- ezManage provides complete central management
- ezOff lets you turn Neolinux-powered devices off with no shut-down process
- Supports flash memory or remote boot - no need for a hard drive or other moving parts
- Run Linux, Windows, mainframe and minicomputer applications simply and easily
- Asset management, operating system upgrades and configuration are done centrally
- Eliminates Linux complexity with security and appliance features, including the ability to power down at any time



the details

NeoLinux Software Features

Embedded Linux operating system
Based upon industry-standard Official Red Hat Linux
Full Linux compatibility
QT and FVWM for user interfaces and window management
Neoware ezCompress streamlined version of Linux
Friendly graphical startup
Friendly graphical setup for network configuration

Neoware ezSecure Features

Read-only operation for security
No ability for users to reconfigure or change settings
Neoware ezOff allows shutdown at any time without synching file systems

Neoware ezManage Features

Supports remote upgrades across a network
Allows remote configuration of applications
Includes device discovery features for asset management
Interfaces with Neoware's Remote Manager
Software for easy configuration and management

NeoLinux Application Compatibility

Linux binary compatibility
Read-only Linux file system
Embed any Linux application
Use to create Linux appliances for vertical markets
Can operate with or without monitor
Supports ISA/PCI slot for add-in hardware
Netscape Navigator 4.7x browser with support for Java
X Window System for graphical Linux and UNIX applications
ICA protocol for Windows application access
Optional TeemX terminal emulation suite

NeoLinux Hardware Support

Designed for embedded appliance hardware without a need for disk drives or CD-ROM
Runs on industry standard X86-based hardware, including Geode-based motherboards

NeoLinux Hardware Support Cont.

Supports video resolutions of 640x480, 800x600, 1024x768, 1152x864, 1280x1024 pixels
Supports color depth of 8 or 16 bits for 256 or 65,536 colors
10BaseT/100BaseT autosensing Ethernet
Includes support for serial and parallel devices
Supports PS2 keyboard
Supports PS2 mouse
Minimum flash memory: 16 Mbytes

Network Services

Token Ring networking (IEEE 802.5)
Ethernet drivers (IEEE 802.3)
Compressed SLIP (RFC 1144)
Domain Name Service (DNS) (RFC 883 and RFC 1035)
IP (RFC 791 and MIL-STD 1777)
TCP (RFC 793 and MIL-STD 1778)
UDP (RFC 768)
ICMP (RFC 792) (RFC 1065, 1066, 1067)
RTP (RFC 1889)
Ping
REXEC, TELNET

Remote Configuration Services

DHCP - Dynamic Host Configuration Protocol (RFC 1541)
BOOTP (with remote configuration) (RFC 951, 1015, 1048, 1084)
ARP (RFC 826), RARP (RFC 903)

File Transfer Protocols

Network File System (NFS)
FTP (RFC 959)

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