Server Lamit 2Pro Enterprise Features

Processor
D 955 Extreme Edition Dual Core INTEL

Memory
High memory capacity - The DDR Memory Hub (DMH) provides a maximum of 8 DIMM slots with an aggregate of 32 memory slots enabled per processor node. Maximum capacity supported per processor node is 128 GB using 4 GB DIMMs.

Networking
2-3 PCI 10/100/1000 Base-T Ethernet ports

Mass Storage	
Internal disk	Up to Four HDD, Speed : 10000 rpm. SCSI Interface

Optic Storage	
Internal DVD-ROM	One IDE DVD-ROM (optional)

Software	
Operating System	Lamit 2Pro

Dimensions and Weight	
Height	140mm (5.50 in.)
Width	360mm (14.15 in.)
Depth	480mm (18.86 in.)
Weight	Weight 13 kg (28.7 lb.) maximum

Power	
UL Maximum (AC input)	6,3 Amps
Power Supply Rating (DC output)	400 W
Typical Power Consumption	250 W

Features	
Case intruder	Alarm

Software

Operating System   Lamit 2Pro

Preemptive multitasking with dynamic priority adjustment to ensure smooth and fair sharing of the computer between applications and users, even under the heaviest of loads.
Strong TCP/IP networking with support for industry standards such as SLIP, PPP, NFS, DHCP, and NIS. This means that your Lamit 2Pro machine can interoperate easily with other systems as well as act as an enterprise server, providing vital functions such as NFS (remote file access) and email services or putting your organization on the Internet with WWW, FTP, routing and firewall (security) services.

Memory protection ensures that applications (or users) cannot interfere with each other. One application crashing will not affect others in any way.

Lamit 2Pro is a 32-bit operating system (64-bit on the Alpha, Itanium, AMD64, and UltraSPARC) and was designed as such from the ground up.

Demand paged virtual memory and ?merged VM/buffer cache? design efficiently satisfies applications with large appetites for memory while still maintaining interactive response to other users. SMP support for machines with multiple CPUs

 In addition to the fine work provided by CSRG, the Lamit 2Pro Project has put in many thousands of hours in fine tuning the system for maximum performance and reliability in real-life load situations. As many of the commercial giants struggle to field PC operating systems with such features, performance and reliability, Lamit 2Pro can offer them now!

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Broadband VPN Lamit 2Pro server

Server IPv4 packets between a Lamit uplink and a local area network (LAN) in the physician's home.Provide network address translation (NAT) to connect several machines on the LAN to the Internet via the one IP address provided by the Lamit Company.

Secure all communications between the physician's dedicated video conferencing and medical record access computer and the nursing home's LAN using strong encryption at a bandwidth of 6 Mbit/s downstream and 768 kbit/s upstream.Provide a reasonable firewall protection to avoid breaches into the physician's LAN and prevent unauthorized access into the VPN through one of the remote sites.

Provide two separate LAN segments (requiring 3 Ethernet interfaces in total) so that the physician's and his family's private use of the Internet is kept separate from office use. In particular, prevent access to the virtual private network from the private segment. Compensate for the asymmetric nature of the Lamit Company connection with only 128 kbit/s outgoing bandwidth.

Coordinate available bandwidth between the essential flows: (1) video (H.261 [2] over UDP, up to 1.5 Mbit/s), (2) audio (UDP, 64 kbit/s, fixed), (3) remote camera control (TCP, low bandwidth but need for low latency and intolerant to packet loss), and (4) medical record access (TCP/HTTP).

Be able to route and tunnel Novell NetWare IPX packets used in our (as in many) corporate network.Tunnel any IP subnetwork or virtual ethernet adapter over a single UDP or TCP port, configure a scalable, load-balanced VPN server farm using one or more machines which can handle thousands of dynamic connections from incoming VPN clients, use all of the encryption, authentication, and certification features of the OpenSSL library to protect your private network traffic as it transits the internet, use any cipher, key size, or HMAC digest (for datagram integrity checking) supported by the OpenSSL library, choose between static-key based conventional encryption or certificate-based public key encryption, use static, pre-shared keys or TLS-based dynamic key exchange, use real-time adaptive link compression and traffic-shaping to manage link bandwidth utilization, tunnel networks whose public endpoints are dynamic such as DHCP or dial-in clients, tunnel networks through connection-oriented stateful firewalls without having to use explicit firewall rules.

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Internet Services: The robust TCP/IP networking built into Lamit 2Pro makes it an ideal platform for a variety of Internet services such as :
FTP servers, World Wide Web servers (standard or secure [SSL])
Firewalls and NAT (IP masquerading) gateways
USENET News or Bulletin Board Systems
Networking: Need a new router? A name server (DNS)? A firewall to keep people out of your internal network?
Lamit 2Pro can easily turn that unused 386 or 486 PC sitting in the corner into an advanced router with sophisticated packet-filtering capabilities.
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