

ensoport™ Solution Set

ensoBox™

Core Node
Services Node
Access Node

enso OS™

enso CommandCenter™
enso Biller™
enso AccountManager™
enso ServiceBuilder™
enso ReportManager™
enso HelpDesk™
enso FranchiseManager™
enso Administrator™

ensoBiz™

Franchise Benefits

ensoBox™ Core Node

The Core Node is the nucleus of the ensoBox™, providing essential services such as access to backbone, authentication, and accounting. The Core Node is essential to the ensoBox™ as a true ISP appliance.

Functions such as backup, security, monitoring, and automated software deployment are essential to the day-to-day operations of an ISP. The Core Node provides this functionality to the ensoBox™ in a more reliable and secure network and application environment.



Features

Authentication, Authorization, Accounting (AAA)

- LDAP
- Radius

Domain Name Service (DNS)

Data Backup

System Monitoring

- enso CommandCenter™

Security

- Firewall
- Access Lists
- Secure Shell
- Host Based Security
- Virtual Private Networking (VPN)

enso HotDeploy™

- Automated Bugfix, Security Patches, and Software Upgrades for all Devices within the ensoBox™

Network Time Synchronization

- NTP

Virtual Local Area Networking (VLAN)



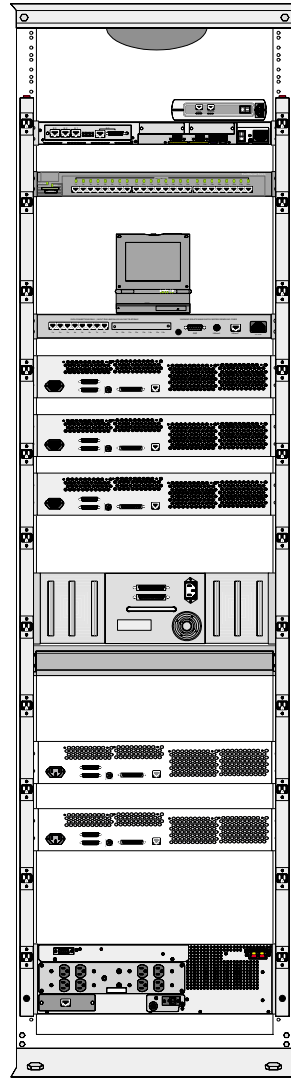
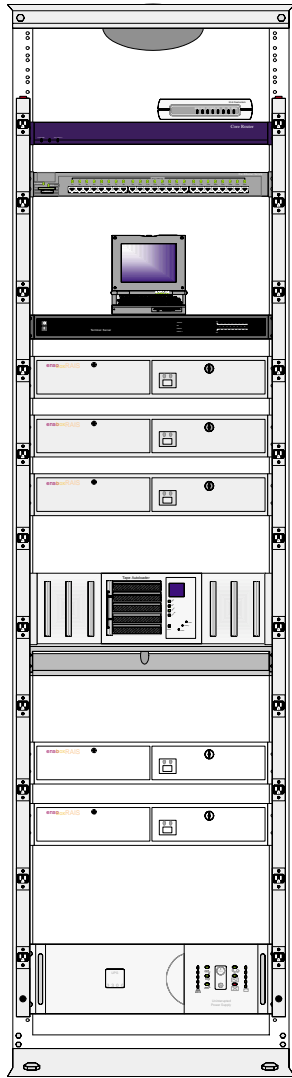
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v 2.0 RNV 02-21-01

Front View

Back View



Components

- ← **Cooling Fan**
630 Cubic Feet Per Minute Displacement
- ← **Backup Fax Modem**
56.6Kbps
- ← **Access Router**
Dual 10/100Mbps Interfaces, 2 WIC Slots and 1 NM Slot, 48MB DRAM, 16MB Flash, 4 x RJ-45 10BaseT Ports, 1 x T-1 w/ Internal CSU/DSU WIC Module, Cisco® IOS® w/IP/FW Plus IPSEC 56 Feature set
- ← **Network Switch**
100Mb Ethernet Switch w/ 24 10/100BaseT Ports
- ← **Management & Maintenance Laptop**
AMD-K6® 2+ 550MHz Processor, 128MB SDRAM, 12GB HD, 13.3" XGA-TFT Screen, DVD-ROM, 10/100Mbps Ethernet/56K Modem
- ← **Terminal Server**
8 x Serial RJ-45 Ports, 10Mbps LAN Interface, w/SNMP
- ← **Application Servers**
3 x ensoRAIS™ CoreFEP Servers
440MHz Ultra Sparc® 2MB Cache, 512MB High-speed RAM, 100BaseT NIC, 2 x 9GB Ultra Wide SCSI HD, Replaceable Air Filter
- ← **Backup**
DLT7 Autoloader w/280GB (native) 560GB (compressed) 20 Mbps synchronous BTR, DLT Tape IV (40GB native capacity)
- ← **Pullout Shelf**
2" Pull-out Tray
- ← **Upgrade Application Servers***
2 x ensoRAIS™ CoreFEP
440MHz Ultra Sparc® 2MB Cache, 512MB High-speed RAM, 100BaseT NIC, 2 x 9GB Ultra Wide SCSI HD, Replaceable Air Filter
- ← **Power Subsystem**
3000VA - 5000VA International Uninterruptible Power Supply, Hot Swap Batteries, Intelligent Battery Management, Overload Indicator, Automatic Voltage Regulation, Software, Rack Mount, Extendable Run Time, Management NIC
- ← **Cabinet**
19" x 31" x 84" Steel Cabinet, 2 x Power Strips w/11 Outlets each, 1,200lb (545Kg) Load Capacity, 4 x Leg Levelers, 4 x Casters



* Optional Core Node Upgrade