Enterprise 7920
Load Balance Security Firewall

Corecasys คอเคซิส
www.CoreCaSys.Com

- ▸ 1-5 Gigabit WAN รองรับ Load-Balance Auto Weight, Fail-over และ 3G Backup
- ▸ VLAN 802.1q ทำให้ Network มีหลาย Subnet แยก Gateway ออกจากกัน และแจก DHCP ได้หลาย VLAN
- ▸ HA (High Availability) ทำงาน 2 ตัวพร้อมกัน แม้ตัวหนึ่งล่ม อีกตัวที่เหลือจะทำงานในทันที (ไม่มีวันล่ม)
- ▸ L7 Block P2P, ลำดับความสำคัญในการส่งข้อมูล (QOS), Bandwidth Management ได้ในทุก VLAN
- ▸ รองรับ VPN ทั้งแบบ Site-to-Site และ Client-to-Site มากกว่า 500 Tunnel พร้อมกัน
- ▸ รองรับ HotSpot ได้มากกว่า 500 User พร้อมกัน พร้อมฟังก์ชั่น Mail Server, Terminal Server และ Sip Server
- ▸ รองรับ 3 Dynamic DNS (Update ได้แม่นยำ) และสามารถ Remote ได้ทุกส่วนของระบบ รวมถึง Bridge Modem

The Corecasys Enterprise 7920 provides a configurable WAN Gigabit Ethernet interface. This supports either policy-base load-balancing between 2-5 WAN or WAN backup or 3G Backup in the event of a failure in your primary internet feed.

Security is the Corecasys Enterprise 7920's major strength with multiple levels of firewalling at both the IP and application layers. Protection against malicious attack as well as user policy enforcement are all covered with highly flexible multiple-approach methods. It embeded P2P blocking, Block Website such as facebook and youtube.

QOS (Quality of Service) optimizes the use of your bandwidth and serves for the original IP layer, and it also supports NAT session/bandwidth management which greatly enhances the efficiency of bandwidth use.

VLAN & Multiple LAN subnets the Corecasys Enterprise 7920 provides Gigabit Ethernet port based port can be defined into distinct of common groups i.e. isolated or joined to each other. That would provide SMB and Large the flexibility to either secure corporate confidential data or escalate information sharing between teams/Depts. Moreover, it supports up to 4096 LAN-side private IP subnet, with the Corecasys providing each with its own DHCP server.

Hardware and Software

- CPU 4 Core 64 bits speed 3.2 Ghz.
- SSD 32 GB. (Max transfer speed 384 Gbps.)
- Ram 8 GB. (Max 16 GB)
- WAN/LAN 6 ports 10/100/1000 (Intel Chipset)
- HDD 1 TB (Max 4 TB) with HDD attack protection
- 1U compatible with rack 19"
- Copper CPU Heat Sink with 3 FAN
- 2 Port USB support 3G/4G
- Dusty filter + Power supply 250w
- License ROS Level 6 + Windows 7

Firewall

- IP/Port base both source and destination blocking
- L7 IM/P2P (Bit Torrent) blocking
- QOS Ingress/Exgress filter rule monitor WAN/LAN
- Bandwidth Management with IP in multiple VLAN
- Define Session limit based on local IP address
- URL Keyword Filter (Whitelist and Blacklist)
- Bind IP to MAC Address (bypass firewall policy)
- Port redirection (translate external port to local)
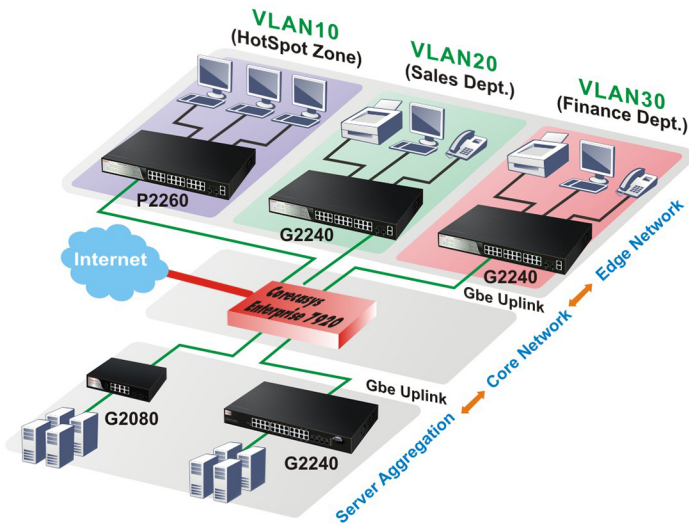- Multi-NAT, DMZ Host, Port redirection and Open Port

Network Feature

- 2-5 Gigabit Wan Load Balance
- WAN fail-over load-balance connectivity
- Client inbound-Outbound over specific WAN
- Protocol inbound-Outbound over specific WAN
- DHCP Server with multiple VLAN including Wins
- Update 3 Dynamic DNS. Dynamic, No-IP, Change IP
- NTP Client update with Thailand Time Server
- DNS Cache + Transparent Proxy
- Routing Protocol BGP, Rip, Rip V2, OSPF, VRRP
- Packet Forwarding Acceleration
- HA (High availability) common address redundancy

VPN

- Site to Site and Client to Site more than 500 tunnel
- Protocol : PPTP, IPSec, L2TP, MPLS, Open VPN, EoIP
- Encryption : AES 128, 192, 256/DES/3DES
- Authentication : Md5, SHA-1
- Dead Peer Detection (DPD) check keep alive
- VPN over routes without VPN pass-through
- VPN throughput 1 Gbps.
- Virtual point-to-point to various brands of routers
- No additional client or remote site licensing charge
- Compatible with other leading 3rd VPN devices

Multi-WAN **Gagabit** **Firewall** **VPN** **SIP**

USB 3G **Mail** **Terminal** **HotSpot**

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Enterprise 7920

CONSOLE USB ETH1 ETH2 ETH3 ETH4 ETH5 ETH6 POWER HLED PLED

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Enterprise Solution

Diagram labels: VLAN10 (HotSpot Zone), VLAN20 (Sales Dept.), VLAN30 (Finance Dept.), P2260, G2240, G2240, Internet, Corecasys Enterprise 7920, Gbe Uplink, Edge Network, Core Network, G2080, G2240, Gbe Uplink, Server Aggregation

Terminal Service

Terminal Server is a software solution for Windows, which adds the ability that multiple Remote Desktop Protocol (RDP) enabled devices. Clients (e.g. Smart Phone, Windows PC, Linux PC, Apple Computers etc.) can connect to the host computer to access the same or different Windows applications and Resources (printers, drives, network connections etc.) of the host computer simultaneously and independently in independent by unlimited connection.

- License ThinStuff Standard Edition
- Unlimited client connection
- Define user login interface to restrict access
- Reduced maintenance cost of the many applications
- Increased security all data and applications
- Longer lifecycle because no moving parts

HotSpot Function

- Support 500 users online simultaneously
- Unlimit Users Account in database
- Backup/Restore user account
- Bandwidth Management for each user
- Define policy firewall for each users
- Support print out ticket
- Plug-n-Play access to the Network
- Authentication of local Network Clients
- RADIUS support for Authentication and Accounting
- Configurable bypass for non-interactive devices
- Walled garden for some website exceptions
- Trial user can reach some Advertisement website
- Support centralize HotSpot for many branch

Network Management

- Detect every device in network in every VLAN
- Send e-mail alert when some device down
- Web-based User Interface (HTTP/HTTPs)
- CLI (Command Line Interface, Telnet/SSH)
- Define IP of Administration Access Control
- Configuration Backup/Restore
- Firmware Upgrade via FTP/Winbox
- Logging via Syslog save in local harddisk
- SNMP Management MIB-II
- Management Session Time Out
- 2-Level Management (Admin/User Mode)
- View WAN Traffic via web browser
- Support DDNS (Dynamic, No-IP, Change IP)
- Dynamic DNS schedule update at specific time

Mail Service

- Unlimited domain name and users account
- AntiVirus (based on ClamAV)
- Anti Spam with Spam Databases from DNSBL
- SMTP/ESMTP, POP3, IMAP protocols
- Monitor all users e-mail send
- SMTP Authentication
- Define Trusted Hosts
- Define Banned Hosts
- Text and Attachment Filters
- IP and domain Greylisting
- Reverse PTR Record tracking
- Sender Address Verification

Support

- 2 year limited warranty.
- Technical support by phone or e-mail.
- 1 year online remote by expert team.

Content Capture

- Keep log of website usage of every client
- Keep log of e-mail of every client
- To view the content of each e-mail
- View Top 10 List in various format
- Upgrade RAM from 8GB to 16GB
- Upgrade Enterprise HDD 1TB to 4TB
- Print the summary reports in any format

Sip Server

It is a Sip Server software application that provide call routing services in an IP telephony network, it can support many branch in your network. SIP Server can create large scale, highly reliable packet voice networks. This software combines the standard functions of a SIP proxy server and a SIP registrar with the features to create an IP telephony infrastructure component.

- 50 extension (Max 500 extension)
- 10 Sip Trunk
- Support incoming-outgoing call recorder

Support

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- 1 year online remote by expert team