

Hardware Specifications for EDDC System

This page lists out the recommended hardware – server specifications for installing EDDC software. It is to be taken note that EDDC software is to be installed on a dedicated server that supports Debian Linux Operating System. EDDC software is already hardened with Linux OS. Therefore, user does not need to pre-install Linux OS on their hardware or server prior to installing EDDC on the server.

Standard and Recommended Hardware Specifications for EDDC:


1. 32-bit Central Processing Unit - Single CPU, Dual-Core CPU or Quad-Core CPU
2. Memory or RAM – Minimum 1 GB up to 4 GB
3. Hard Disk – Minimum 80 GB. The larger the better. Can be a single HDD or multiple HDD in RAID 0 or RAID 5 configurations.
4. A CD-ROM or DVD-ROM
5. 2 x Gigabit Ethernet Ports (1 for Management and 1 for Capture) – Preferable Intel NIC Card.

Some Tested Servers Brand and Model:

1. **Helwett-Packard** – HP ProLiant Servers DL Series: DL100 Series (DL120 and DL160), DL300 Series (DL360, DL365, DL380, DL385).
2. **Dell** – Dell PowerEdge Servers R Series: R200, R300, R1950, R2950.
3. **Asus** – Asus RS120E5/PA2/4, RS160E4/PA4.

User can also use other hardware or server as long as their met their standard requirements. User may test the server with Diagnostic CD provided by Decision Group to check and verify the hardware specifications on their server.

EDDC Standard Specification

EDDC	
Sample Hardware-Server Photo (for Illustration Only)	
General Features and Functions	
Appliance Based	Yes (However, user has the option to purchase just software and install the software on their own dedicated server).
Hardware - Server Type (1U, 2U etc.)	Scalable and Flexible, Standard Hardware includes HP ProLiant 100 series, 300 series, Dell PowerEdge 200, 300, 1950 and 2950 series etc.
Level and Size of Implementation	Scalable - Small Networks up to ISP Telco Size Deployment.
Raw Data Reconstruction	Offline Internet Raw Data Reconstruction.
Mode of Operation	Offline Mode of Operation. Provides Additional Sniffer Mode Service for Reserving of Raw Data Online.
Network Interface - Management and Capture	Ethernet 10/100/1000Mbps
Raw Data Parsing Throughput	Up to 500 Mbps
Access GUI	Web Access GUI - IE
Storage Size	Scalable
Internet Protocols Supported - Decode and Reconstruction	
Email	POP3, SMTP, IMAP
Webmail	Yahoo Mail, Gmail, Windows Live Hotmail, Hinet, Hotmail Standard, PCHome, URL, Giga, Yam, Sina, Seednet, mail.tom.com, mail.163.com, Sohu.com, Gawab
Instant Messaging (IM/Chat)	Yahoo Messenger, Windows Live Messenger (MSN), IRC, ICQ, UT Chat Room, Gtalk, Yahoo Web Chat, MSN Web Chat, Skype Voice Call Duration Log
HTTP	Link, Content, Reconstruct, Upload and Download, Video Streaming (Youtube, Metacafe, Google Video etc.) and Request
File Transfer	FTP Upload/Download, P2P File Sharing (BitTorrent, eMule/eDonkey, FastTrack, Gnutella)

Online Games	Various Online Games like Ragnarok Online, Mapple Story, War of World Craft, ZT, FairyLand, Kinf of king, Katrider, BnB, Mabinogi, Hotdance, Gatamped, Pangya, Heatproject, DTG, Superrich, O2jam, Seal, COCOCAN, Nage, Gersang, Laghaim, Hot, 3P, SF, Noritel, Elysium, Stoneage, A3, HE, ZU, Cabala, JY1, JY2, Wonderland, SAN, TS, LoveBox, SANGO, Dekaron, Cabal, Rohan, GVO, CG, DOMO, BO, SWDOL, DOMOFREE, RICHOL, RO, Mir3, JX, JX2, TTH, RF Online, SOL, Nobol, FDO, GHOSTSOUL, AL, CPW, 1003b, 9D, EverQuestII, Silkroad2, Metin, MS, SUN, Hero, HB, WE5, FongShen, FongShen2, Q3baby, SHE and Megaten.
VoIP (IM)	Yahoo Messenger and Gtalk Voice Call (reconstruct back to GIPS format - Codecs required to play back the file).
Webcam (IM)	Yahoo Messenger and Windows Live Messenger Webcam session
VoIP (Standard) – Additional License	SIP, H.323 RTP Voice Sessions (Supported Codecs includes G.711, G.723, G.726, G.729 and iLBC)
Analysis, Forensics, Administrative, Management Functions	
User Management	Yes, available. Admin – Group Admin, User, Analyst.
Case Management	Yes.
Online Raw Data (PCAP) Reserving Function	Yes, available.
Search - Data Mining (Free Text Search)	Yes
Search - Search by Parameters - Condition	Yes
Data Export and Backup – Schedule and Manual Capabilities.	Yes.
Detail Information of Targeted User/PC	Account (AD, Username etc.), IP Address, MAC Address, PC Name
Reporting	Comprehensive Top and Drilled Down Report like Total Statistical Throughput Reports, Online IP List etc.
Others or Additional Features/Functions	Job Queue.
Other Features, Functions and Capabilities	
Layer 7 Analytics	Webmail.
Others - Features and Functions or Complimentary Solutions	1. HTTPS/SSL Interceptor (MITM, Proxy and Offline Mode), 2. E-Detective – Real-time Raw Data (PCAP) File Reconstruction Tool, 3. Wireless-Detective - WLAN Interception and Real-Time Reconstruction System

Target Market

Small and Home Office (SOHO), Educational Institution, Enterprise, Corporate, Government Agencies, Lawful Enforcement Agencies (Military, Police, Intelligence, National Security, CID etc.), Telco and ISP

For more information, please contact decision@ed-system.sg or decision@decision.com.tw.