
specification

Model: EAC500



、 Brand and Manufacturer Information

Brand: LINBLENET

Manufacturer: Shenzhen Libtor Technology Co., Ltd.

LOGO: LINBLENET

Model and Version

Model: EAC500

Version: V1.1

product features

The EAC500 is a CAPWAP-based gateway designed for medium and large enterprises.

- The device features six 2.5Gbps network ports with WAN/LAN interoperability, supporting multi-WAN configuration. It offers WAN port load balancing, multi-carrier access, line backup, network overlay, and policy-based routing for multi-WAN capabilities.
- Supports intelligent flow control, internet behavior management, network firewall, VPN configuration, and remote access control management.
- Supports up to 512 end-user connections with high-speed network performance, providing robust protection against network storms to ensure uninterrupted service.
- The EAC500 can serve as either a primary router or a bypass AC, supporting the management and configuration of 512 lean APs. It enables remote administration and maintenance, allowing administrators to monitor, manage, and configure the EAC500's main interface from different cities or networks at any time. Featuring high performance, easy installation, and maintenance, this product significantly reduces labor and material costs in network deployment.
- The EAC500 acts as a certified gateway to the cloud platform, supporting authentication methods including user verification and SMS authentication.
- The product is widely used in various settings, including small and medium-sized enterprises, urban villages, hotels, internet cafes, and shopping malls.

product function

1. Multi-WAN and Multi-WAN Port Load Balancing

- The EAC500 supports multiple access protocols including PPPoE, DHCP, static IP, and PPTP, and is compatible with service providers such as China Telecom, China Unicom, and China Mobile.
- It supports multi-WAN, multi-WAN port load balancing, line backup, and network overlay, delivering a more stable and faster network experience for users.
- The EAC500 supports policy-based routing using rules such as IP addresses, MAC addresses, network interfaces, and domain names.

2. Cloud platform access and authentication

The EAC500 supports cloud platform access in both gateway and AC modes. In gateway mode, it enables multiple authentication methods including user verification and SMS authentication, which not only enhances the professionalization of network architecture but also boosts advertising effectiveness.

3. AP management functions

- No configuration and grouping

Before connecting to a wireless AP, add a zero-configuration group. The AP automatically retrieves the required configurations from this group, eliminating the need for additional setup—simple and efficient. Alternatively, you can create multiple groups across the network and configure the data to be distributed to the corresponding APs in each group.

- built-in intelligent channel analyzer

The built-in intelligent channel analyzer helps wireless APs detect and analyze surrounding wireless network channels, enabling them to select the least-interfered channels for optimal coverage stability.

- Automatically assign IP addresses to wireless APs

The built-in DHCP server automatically assigns IP addresses to wireless APs, preventing potential conflicts and reducing manual configuration costs.

4. intelligent flow control

- One-click intelligent flow control

The smart flow control feature is simple and hassle-free, with just one switch to activate.

Based on the traffic size and traffic feature recognition technology, and processing fairness and control network delay algorithm.

Optimizes web browsing for downloads, videos, and games with fast downloads, lag-free gaming, and speedy web pages.

- powerful multi-threading

Supports the access and diversion of up to 180 external network lines on a single machine.

Supports IP and session traffic splitting with two methods, ensuring bandwidth stacking without disconnection.

Process diversion, thorough and complete.

The powerful traffic diversion rules based on IP address, time, port, routing table, application, and diversion weight can meet various traffic diversion requirements.

- Apply priority automatically

When bandwidth is limited, the system prioritizes games and web applications, ensuring that even heavy P2P downloads won't degrade the user experience.

- policy bandwidth control

The maximum traffic of each user on each line can be restricted according to IP address, authenticated user, user

level, user part and time condition.

➤ connection limit

You can set precise limits on the maximum number of TCP and UDP connections for specific users by using IP addresses, authenticated users, user levels, user groups, and time conditions.

➤ Powerful firewall and user management

The 7-layer firewall module can configure the access policy according to the address, user, level, department cooperation time, destination address, destination port.

You can control policies for specific applications, ports, and external network lines.

It also includes port mapping, source address translation, and internal network DDoS protection.

IP-MAC binding prevents internal network ARP attacks.

You can view the QQ accounts online and control whether specific QQ accounts can access.

1. other

The EAC500 supports real-time network speed monitoring, VPN, static IP, DDNS, and other features.

Hardware parameters

terrace	
Product form	1U rack-mounted
processor	Intel J6413 quad-core processor, 10nm process, 1.8GHz clock speed, 1.5MB cache
CPU type	Plasterboard
chip set	SOC
BIOS	UEFI BIOS
system memory	
Memory type	A set of 3200MHz DDR4 SO-DIMM memory modules
memory capacity	8GB
memory	
joggle	A 6Gb/s SATA port
CF	A CF Type II slot, with a default 1G SLC CF card
caliche	Supports a 2.5-inch hard drive mount with shockproof protection
mSATA	An mSATA SSD slot (with CF functionality as an optional feature)
network	
network interface	6 x 2.5GbE RJ45 ports
network chip	Intel 225V Network Controller
network indicator light	The RJ-45 port features a notch on the tab at the top and includes a built-in network indicator light. Left Link/Act LED: Green light on when connected, green light flashing during network communication Right Speed LED: Orange when 2.5G, green when 1000M, off at 100M
SFP optical port	2 external adaptive 1G SFP ports
open port controller	Marvell 88E1512 Grid Controller
open mouth indicator lamp	Green LED: Green light on when connected, green light flashing during network communication

external interface	
USB	Two standard USB 3.0 ports
gorge line	A Console serial port with RJ45 interface
Power switch button	Back panel of the chassis, ATX power switch
pilot lamp	A four-layer LED:
	First layer: Hard disk indicator: Yellow light, flashing when data is being read or written
	Layer 2: Power indicator light: green, LED turns on when powered
	Layer 3: Green, SFP1's first optical port indicator
	Layer 3: Green, SFP2 second optical port indicator
Built-in interface	
show	Built-in DB-15 VGA display interface with hot-swappable capability
USB	Features two built-in USB 2.0 pin ports
gorge line	Built-in RS-232 Pin interface with LCM display module expansion support
watchdog	Supports 1-255-second programmable watchdog software and system reset
digital input and output	8-channel digital input/output (4 input/4 output)
chassis	
Case color	Black, sand-grained baked paint
front panel	Silver PVC, matte
Dimensions (length x width x height)	294mm x 430mm x 44.5mm
Case material	Sheet metal, SGCC material, thickness 1.2mm
inner surface of chassis	Metallic base color with cross-section treated for oxidation resistance
Case fastener	1U fixed earpiece on the shelf
screw	The cover screw is a nickel-plated screw, and the internal motherboard uses a double washer anti-loosening screw.
heat radiation	Fanless heat dissipation module for mainboard 1 x system fan
source	
Power source type	Built-in open power supply
power	65W
power input	AC100V-264V full-range AC voltage input
Size, Operating Environment and Certification	
carton size	535x400x175mm (LxWxH)
Inner box size	520x385x150mm (LxWxH)
net weight of product	5.5KG
gross product weight	6.5KG
working temperature	0°C~50°C
storage temperature	-40°C ~ 70°C
working humidity	5% ~ 85% RH, no condensation at 40°C
storage humidity	5~95% RH, non-condensable

software function

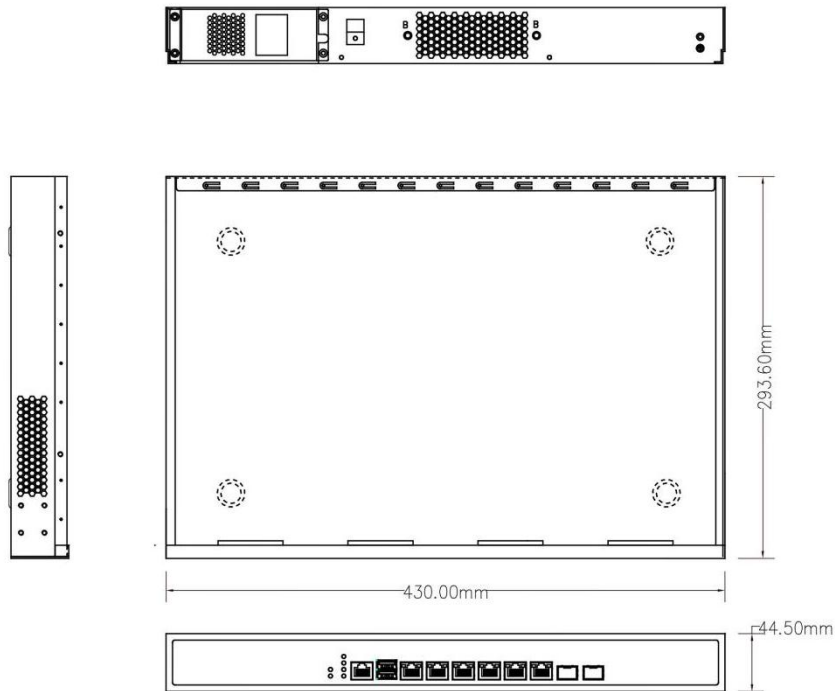
AP manage	Maximum managed users: 512
	AP management: 512 devices
	Centralized and remote management, configure wireless AP
	View user status
intelligent flow control	One-click intelligent flow control
	powerful multi-threading
	Apply priority automatically
load balancing	Multi-WAN, multi-carrier access
	smart load balancing
	Route backup
	Speed overlay
	Policy routing: Based on source IP address, destination IP address, source MAC address, network interface, domain name, destination port, external network interface, and identity binding policies
	Protocol binding
	online testing
Routing	static routing
Behavior Management	Completely block P2P software
	P2P Flow Control and Bandwidth Allocation
	File transfer and URL filtering
	full control of network behavior
bandwidth control	Bandwidth Control Based on IP
	Bandwidth Guarantee/Restriction
	time strategy
	IP-based session restriction
Security Center	MAC address filtering
	URL/Keyword Filter
	Web content filtering
	IP address filtering
	port forwarding
	DMZ
Defense Center	TCP/UDP/ICMP flood defense
	Disable TCP scanning

	Disable PING WAN port
ARP check	Send GARP packets
	ARP scan of WAN/LAN ports
	IP-MAC binding
attestation	Local authentication (SMS authentication, user authentication)
	Remote authentication (SMS authentication, user authentication)
manage	Web/CLI/Telnet management portal
	Remote authentication (SMS authentication, user authentication)
other	DDNS, VPN management

Interface diagram



Product dimensions



Attachment list

Host × 1

1.5m National Standard Power Cord × 1

Direct Ethernet cable (for connecting switches) × 1

Accessory box (includes chassis ear pads, foot pads, and screw pack) × 1

Instruction Manual × 1