

WIRED PROXY ROUTER · PRODUCT BROCHURE

Multiple Devices. Dedicated Outbound Routes.

 **Scraping** Distributed Crawling / Data Scraping

 **Matrix** PhoneBox Mobile Clusters & Farms

 **Commerce** Cross-Border Multi-Store Isolation

 **Automation** Terminal Testing Studios & Central Ops

Engineered for distributed data crawling clusters, PhoneBox mobile arrays, cross-border multi-store management, and automated device studios. Centralized on a single local network, the SSR-L kernel dynamically routes outbound sessions to designated proxies per terminal IP. Features ALBulk batch governance, single-node hot swap, and failover kill switch—completely eliminating account correlation and scraping bans.

STANDARD MATRIX WORKHORSE · 40 / 100 NODES



SSR-L40 | SSR-L100

Heavy-Duty Cold-Rolled Steel · Spacious Airflow & Reliability

HIGH-DENSITY MICRO FLAGSHIP · 200 NODES



SSR-L200

Sapphire Blue All-Aluminum · Silent Passive Fin Cooling

40 / 100 / 200

Max Device Capacity
Dedicated Outbound Proxy per IP

Single LAN

Centralized Wired Access
Gigabit Switch Expansion

ALBulk Console

Batch Routing & Hot Swap
Standalone Ping · Zero Terminal Setup

Triple Shield

Anti-Leak & Kill Switch
IP · DNS · WebRTC Strict Cutoff

Four High-Concurrency Use Cases: Solving Risk Control & Isolation

Designed for web crawlers, mobile phone farms, cross-border e-commerce, and device DevOps, SSR-L provides hardware-level dedicated outbound lines and anti-leak protection—eliminating thermal throttling, crashes, and real IP leaks caused by on-device proxy apps.



Core Case 01 · Web Scraping & Data Mining

SCENARIO 01

Distributed Web Scraping & Crawler Cluster

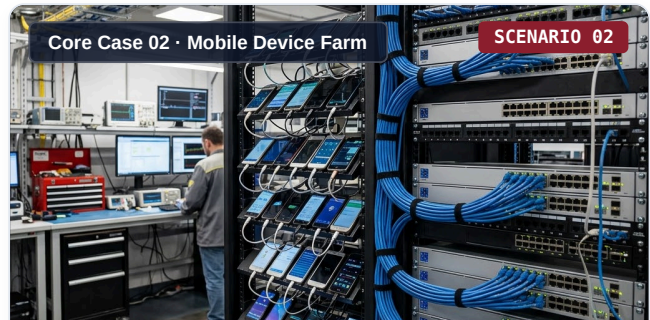
Dedicated Outbound Per PC

Zero Subnet Ban Risk

Millisecond Kill-Switch

[Pain Points] Sharing datacenter IPs triggers anti-bot bans; running proxy clients on worker nodes wastes host CPU and risks leaking host WAN IPs upon proxy dropouts, freezing jobs.

[SSR-L Solution] Scrapers connect via RJ45; SSR-L maps each IP to an isolated proxy. Hardware kill switch blocks WAN instantly on failure, ALBulk hot-swaps nodes without script changes.



Core Case 02 · Mobile Device Farm

SCENARIO 02

PhoneBox Mobile Matrix & Device Farm

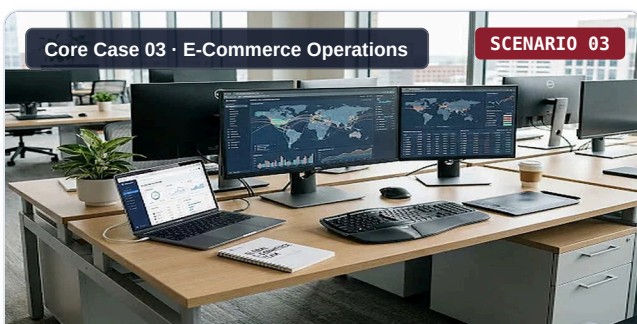
100+ Concurrent Phones

1 Dedicated IP Per Phone

Native App-Free Network

[Pain Points] Installing proxy APKs causes motherboard overheating, killed background tasks, battery drain, and altered OS fingerprints. Shared IPs trigger mass social account bans.

[SSR-L Solution] Phones connect via wired ethernet adapters in 100% native states. SSR-L assigns static residential proxies per phone, fully blocking WebRTC/DNS leaks for account longevity.



Core Case 03 · E-Commerce Operations

SCENARIO 03

Cross-Border E-Commerce Multi-Store Isolation

Physical Network Isolation

Anti-Association Shield

Failover Disconnection

[Pain Points] Amazon, eBay, and TikTok enforce strict account association rules. IP jumps or network leaks across multiple store operator PCs will trigger permanent multi-store bans.

[SSR-L Solution] Each store PC has a fixed LAN IP bound 1:1 to dedicated clean country-specific lines. Instant hardware kill switch blocks unproxied traffic if lines drop, safeguarding assets.



Core Case 04 · Testing & Device DevOps

SCENARIO 04

Automated Testing & Device Infrastructure

Reverse Port Forwarding

Direct LAN NAS Access

Centralized Governance

[Pain Points] Global app testing needs diverse country IP simulation, but engineers must also debug via ADB/SSH/VNC and access internal NAS. Traditional proxies sever local LAN debugging.

[SSR-L Solution] Dual routing separates WAN proxy traffic from internal debugging. Local ADB/SSH and NAS file access remain untouched. ALBulk provides rapid batch test deployment.

End-to-End Network Topology & Two Tailored Form Factors

SSR-L routers connect upstream proxy pools and aggregate downstream switches for single-LAN device networking and per-IP dedicated outbound routing. Available in steel and ultra-compact aluminum.

End-to-End Network Routing Topology

STEP 01 · AGGREGATION External WAN / Proxy Pool

Ingests SOCKS5/HTTP residential proxies or dedicated lines.



STEP 02 · CORE HUB SSR-L Proxy Router

Per-IP independent routing, millisecond kill-switch & anti-leak.



STEP 03 · EXPANSION Gigabit Ethernet Switch

Expands single LAN port to dozens or hundreds of RJ45 ports.



STEP 04 · EXECUTION Terminal Clusters

Scrapers, mobile phone farms, and e-commerce PCs plug-and-play.

Standard Matrix Workhorse · Classic Industrial



SSR-L40 | SSR-L100

40 / 100 Device Capacity · Heavy-Duty Steel Enclosure

Scale: 40 (L40) / 100 (L100) Units

Thermal: Lateral Convection Airflow

Ports: Dual Gigabit RJ45 (WAN+LAN)

Dimensions: 330×270×90mm | ~2.5 kg

High-Density Flagship · 200 Nodes



SSR-L200

200 Device Capacity · Sapphire Blue Anodized Micro Form

Scale: 200 Mobile Matrix Terminals

Thermal: Silent Passive Aluminum Fins

Footprint: 118×113×39mm (Eyeglasses size)

Storage: 64GB Solid-State SSD | ~1.1 kg

SSR-L Series Enterprise Proxy Routing: Four Core Pillars

Kernel-Level Traffic Dispatch · Zero On-Device Proxy Apps Required

FEATURE 01

Outbound Isolation

Dedicated Outbound Proxy per Device IP

Assign independent proxy IPs to different devices across the same LAN. Traffic is strictly isolated at the router tier, preventing cross-account contamination across crawlers, mobile apps, and store accounts.

1 Dedicated IP Per Device

Anti-Association Shield

Physical Isolation

FEATURE 02

Batch Governance

ALBulk Batch Import & Single Hot Swap

Supports provider API auto-sync and plain-text bulk import. If an individual proxy node disconnects or expires, replace it instantly via web console without restarting hardware or interrupting other devices.

API Auto Ingestion

Standalone Ping Test

Zero-Downtime Hot Swap

FEATURE 03

Failover Protection

Failover Kill Switch & Anti-Leak Shield

If a proxy connection drops, the router instantly cuts off outbound internet access for that specific device, preventing real IP leaks. Built-in triple protection shields IP, DNS, and WebRTC.

Millisecond Kill-Switch

Zero Real IP Leak

WebRTC/DNS Block

FEATURE 04

Bidirectional Access

Internal Port Forwarding & Reverse DevOps

Configure internal port forwarding by device IP to allow remote operations management of downstream devices, while defining custom routing rules to access upstream NAS or office file servers.

ADB/SSH Reverse Access

Local NAS Direct Link

Bidirectional Routing

SSR-L Series Comprehensive Specifications Matrix

Identical core routing features and security protections across all models. Simply choose the right model based on your actual downstream terminal count.

Specifications Matrix	SSR-L40	SSR-L100 (Standard)	SSR-L200 (Flagship)
Max Supported Devices	Up to 40 Devices	Up to 100 Devices	Up to 200 Devices
Max Dedicated Proxy IPs	Up to 40 Proxies	Up to 100 Proxies	Up to 200 Proxies
Recommended Deployment	Startup crawlers / Small studios / Up to 40 PhoneBoxes	Standard matrix / Mid-size data scraping / 50~100 devices	High-density matrix / Distributed scrapers / Data centers
Physical Network Interfaces	2 × Gigabit RJ45 (1 WAN + 1 LAN)	2 × Gigabit RJ45 (1 WAN + 1 LAN)	2 × Gigabit RJ45 (1 WAN + 1 LAN)
Proxy Protocols & Sources	SOCKS5 · HTTP · Provider API Auto-Sync · CloudLink Dedicated VPS Integration		
Routing & Security Shield	Per-IP Dynamic Routing · Failover Auto-Kill Switch · IP / DNS / WebRTC Anti-Leak Protection		
Batch Operations & Forwarding	ALBulk Batch Distribution & Single-Node Hot Swap · Independent Ping Diagnostics · Port Forwarding		
Chassis Material & Cooling	Cold-rolled steel · Lateral airflow	Cold-rolled steel · Lateral airflow	Anodized all-aluminum · Silent passive cooling
Dimensions & Gross Weight	Package: 330×270×90mm Weight: 2.5kg	Package: 330×270×90mm Weight: 2.5kg	Chassis: 118×113×39mm Weight: 1.1kg (Pkg 270×220×130mm)

Decision Guide: Selecting Across ALNETS Proxy Router Series

Shared LAN · Per-Device Routing Choose SSR-L Series

Ideal for distributed crawling clusters, PhoneBox mobile arrays, and cross-border multi-stores aggregating via ethernet switches.

Isolated Physical Ports & Subnets Choose MLR Series

Each physical RJ45 port maps to a dedicated network segment for hardware-isolated workflows.

Wireless Wi-Fi Terminal Access Choose BPR-W / PCR-W

Each Wi-Fi SSID corresponds to an independent proxy node or chained proxy for cable-free deployment.



ALNETS TECHNOLOGY CO.,LTD

Specializing in enterprise wired and wireless proxy network hardware.
Delivering secure, stable, and autonomous multi-terminal infrastructure.

Inquiries & Channel Partnerships

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