

## MULTI-LAN PROXY ROUTER · SERIES BROCHURE

# One LAN Port, One Isolated Subnet

## Eliminate Messy Multi-Router Stacks

 **E-Commerce** TikTok Shop / Amazon / Vinted / Taobao Multi-Store Isolation

 **Social Media** TikTok / YouTube / Facebook / Instagram Matrix Anti-Ban

 **Rack Cabling** 22 / 44 Sub-Routers · Clean Structured Cabling

 **Automation** Matrix Automation Execution · Hardware Kill Switch

Purpose-built for cross-border e-commerce multi-store isolation, social media matrix operations, high-density structured cabling, and automated device clusters. A single 19-inch standard rack unit integrates 22 or 44 physically isolated sub-routers. Each port enjoys a dedicated subnet and genuine router MAC address, powered by ALBulk batch governance and CloudLink VPS integration to eliminate risk-control associations at the physical hardware layer.

## STANDARD STUDIO CHOICE · 22 SUB-ROUTERS



### MLR-L22

22× Isolated Gigabit LAN Ports · 1U Steel Chassis · Ideal for 20~22 Workstations

## HIGH-DENSITY FLAGSHIP · 44 SUB-ROUTERS



### MLR-L44

44× Gigabit Dual-Row LAN Array · 19" Rackmount · High-Density Equipment Racks

### 22 / 44 Units

#### Isolated Sub-Routers

Integrates dozens of routers in 1 chassis

### 1 Port 1 Real MAC

#### Hardware-Level Isolation

Built-in multi-million genuine MAC library

### ALBulk Batch Control

#### 3-Step Setup & Diagnostic

No per-device setup · Vendor API sync

### 7×24h Industrial

#### Active Low-Noise Cooling

Hardware kill switch · Zero IP leaks

# Four Dedicated Isolation Scenarios, Eradicating Association from the Hardware Root

Engineered for e-commerce store matrices, social media multi-account workflows, structured studio cabling, and automated device farms. One port per isolated network, putting an end to router clutter and client proxy leaks.

## MLR Hardware-Level End-to-End Isolation Pipeline

### STEP 01

#### Dedicated Uplink WAN

ISP broadband or cloud line connects via Gigabit WAN



### STEP 02

#### MLR Core Routing

Partitions into 22/44 independent subnets & real MACs



### STEP 03

#### ALBulk Governance

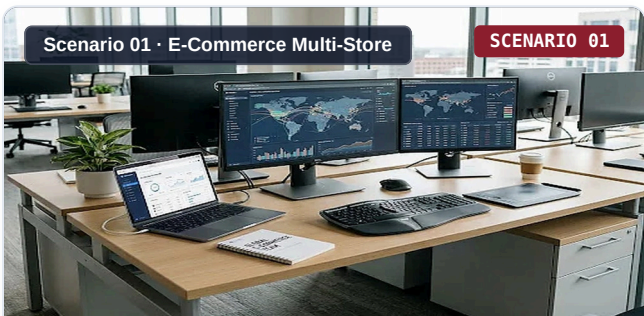
One-click proxy binding with failover kill switch



### STEP 04

#### Direct Port Cabling

Workstation PCs plugged in for 1-to-1 physical isolation



## Cross-Border & E-Commerce Multi-Store Isolation

TikTok Shop / Amazon / Vinted / Taobao

Physical Port Isolation

Zero Cross-Store Association

### [Pain Points]

Platforms enforce strict anti-abuse rules. Multiple store PCs sharing a switch or common soft router share identical gateway MACs and ARP broadcast domains, causing cross-account linking and batch store bans.

### [MLR Solution]

Each workstation PC connects directly via Ethernet to a dedicated physical LAN port with its own unique router MAC and clean proxy exit. Millisecond kill switch blocks traffic on proxy drops to prevent leaks.



## Social Media Multi-Account Operations & Anti-Ban

TikTok / YouTube / Facebook / Instagram

Clientless Native Fingerprints

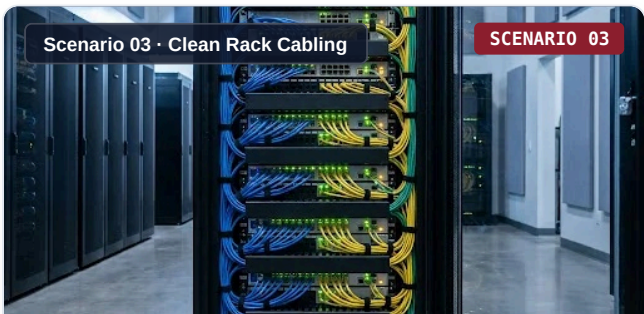
Anti-Throttling & Shadowban

### [Pain Points]

Installing proxy apps on phones or PCs leads to overheating, background kills, and abnormal OS network fingerprints. Sharing identical proxy exits across accounts triggers algorithmic shadowbans and bans.

### [MLR Solution]

Client devices remain in a completely clean, clientless native state, plugged into dedicated ports assigned to exclusive residential static proxies. Hardware blocks WebRTC, DNS, and broadcast leaks end-to-end.



## High-Density Studio & Clean Rack Cabling

1 Unit Replaces Dozens of Routers

19-Inch Standard Rack

Eliminates Fire & Crash Risks

### [Pain Points]

In 20~44 workstation setups, operators previously stacked dozens of cheap consumer routers on wire shelves, creating a tangled web of power bricks and surge protectors with severe overheating and crashes.

### [MLR Solution]

A single 19-inch rack unit consolidates 22 or 44 isolated networks, powered uniformly in a standard cabinet with active industrial cooling fans. Clean front-panel



## Multi-Device Matrix Batch Automation

Automated Farms & Scripts

Hardware-Level Kill Switch

ALBulk One-Click Hot-Swap

### [Pain Points]

Unattended 24/7 automation clusters face disastrous ban waves if a proxy node drops and devices fall back to naked datacenter IPs, instantly exposing the entire farm to anti-bot systems.

### [MLR Solution]

Hardware-level failover kill switch immediately drops outbound traffic upon proxy disconnection. ALBulk monitors latency across all ports and supports batch

# Physical Multi-LAN Industrial Engineering, Hardware & Software Synergy

Embodying "One LAN Port, One Sub-Router", the MLR-L22 and MLR-L44 feature standard 19-inch all-metal rackmount construction, combined with ALBulk batch management and CloudLink for centralized control and extreme isolation.

22-Port Standard Model



**MLR-L22 | 22-Port Multi-LAN Proxy Router**  
Standard Studio & Structured Rack Deployment · 22 Isolated Subnets

|                                                                 |                                                                        |
|-----------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Working LAN Ports:</b> 22× Gigabit Isolated RJ45 Ports       | <b>Uplink WAN Port:</b> ETH2 Gigabit Port (External WAN Uplink)        |
| <b>Local Config Port:</b> Port 23 (ALBulk Direct PC Management) | <b>Chassis &amp; Cooling:</b> Standard 1U Steel Chassis, Low-Noise Fan |

44-Port Flagship Model



**MLR-L44 | 44-Port High-Density Proxy Router**  
High-Density Rackmount & Server Rooms · 44 Isolated Subnets

|                                                                   |                                                                         |
|-------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Working LAN Ports:</b> 44× Gigabit Dual-Row RJ45 Array         | <b>Uplink WAN Port:</b> Port 48 Gigabit Port (External WAN Uplink)      |
| <b>Internal Cascade Links:</b> 24 → ETH1, 47 → ETH2 Patch Jumpers | <b>Chassis &amp; Cooling:</b> 19" Rackmount, Dual-Fan Forced Convection |

## Four Core System Capabilities Empowering Enterprise Network Governance

Physical Port Isolation · Batch Governance · Seamless Cloud VPS · Clean Local RDP

01

Hardware Anti-Ban

### Physical Port Isolation & Exclusive Real MAC Library

Each physical LAN port acts as an independent sub-router with a genuine, distinct router MAC address and isolated subnet. Built-in library of millions of real router MACs allows one-click batch renewal to break all association chains.

1 Port 1 Real MAC   Millions in MAC Library

No ARP Broadcast Leaks

02

Centralized Batch Hub

### ALBulk Multi-Port Batch Governance Platform

Dedicated Windows desktop management console. Eliminates the nightmare of logging into dozens of web UIs. 3 steps ("Copy - Paste - Save") deploy proxies across all 44 ports, with single-port latency ping and vendor API auto-sync.

3-Step Batch Setup   Per-Port Ping Diagnostic

Vendor API Auto-Sync

03

Cloud-Edge Fusion

### CloudLink One-Click VPS & Cloud Server Integration

Full support for SOCKS5, HTTP, VMess, VLESS, and Shadowsocks. Converts VPS instances from Alibaba Cloud, Tencent Cloud, AWS, or customer-owned servers into private dedicated proxy nodes without command-line scripts.

Zero-Script Cloud Setup   All Major Protocols

Dedicated VPS Binding

04

Local Management

### Internal Port Mapping & Non-Proxy Local Management

Zero external IP dependency. Local management PCs access downstream devices across subnets via RDP, VNC, and SSH for maintenance and content publishing, completely bypassing proxy tunnels and consuming zero proxy traffic.

Zero Public IP Reliance   Local RDP / SSH Tunnel

Consumes 0 Proxy Quota

## Precision Selection & Enterprise Specifications Matrix

Available in 22-port and 44-port capacity tiers, combined with the comprehensive ALNETS proxy hardware lineup, providing tailored network foundations for studios, equipment racks, and large-scale operations.

| Specification              | MLR-L22 (22-Port Standard)                                                                       | MLR-L44 (44-Port Flagship)                        |
|----------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Gigabit LAN Ports          | 22× Gigabit RJ45 Ports (Physically Isolated)                                                     | 44× Gigabit RJ45 Ports (Physically Isolated)      |
| Isolated Sub-Routers       | 22 Isolated Subnets (1 LAN Port = 1 Sub-Router)                                                  | 44 Isolated Subnets (1 LAN Port = 1 Sub-Router)   |
| Router MAC Management      | Independent genuine MAC per port; built-in multi-million MAC pool with one-click refresh         |                                                   |
| Uplink WAN Port            | ETH2 (Gigabit RJ45 Dedicated Uplink)                                                             | Port 48 (Gigabit RJ45 Dedicated Uplink)           |
| Local Configuration Port   | Port 23 (Connects to Windows PC for centralized ALBulk batch tool management)                    |                                                   |
| Internal Cascade Links     | No jumpers required                                                                              | 2× High-speed internal jumpers (24→ETH1, 47→ETH2) |
| Proxy Protocol Support     | SOCKS5, HTTP, VMess, VLESS, Shadowsocks fully supported                                          |                                                   |
| CloudLink VPS Integration  | Supported (One-click transforms Alibaba, Tencent, AWS, or custom VPS into proxy exits)           |                                                   |
| Internal Port Mapping      | Supported (Local RDP / VNC / SSH access to downstream devices with zero proxy bandwidth use)     |                                                   |
| Security & Leak Prevention | IP / DNS / WebRTC leak prevention; port-level hardware failover kill switch stops naked exposure |                                                   |

### ■ ALNETS Proxy Hardware Family Selection Guide

#### 【Fixed Workstations · Physical Isolation】

##### Primary: MLR Series (Multi-LAN Proxy)

All devices use wired Ethernet, demand strict physical port isolation with dedicated MACs, and aim to replace cluttered router stacks with a clean rack unit.

#### 【Shared LAN · Dynamic IP Shunting】

##### Primary: SSR-L Series (Wired Proxy)

Devices connect via existing network switches, with SSR-L dynamically assigning outbound proxy paths based on device private IP. Ideal for PhoneBox farms and scraping.

#### 【Wi-Fi Devices · Mobile & Field Deployment】

##### Primary: BPR-W / PCR-W Series (Multi-SSID)

Workstations primarily use smartphones and tablets via Wi-Fi, or require compact, highly portable hardware for flexible remote and field operations.



### ALNETS TECHNOLOGY CO., LTD

Dedicated to enterprise-grade cross-border network infrastructure and proxy routing hardware. Every device undergoes rigorous 7×24-hour continuous stress and attenuation testing, delivering a rock-solid physical network foundation for e-commerce, social media, clean rack cabling, and automation clusters.

**Package Contents:** MLR Router Host ×1, Power Adapter ×1, L-Shaped Rack Mount Brackets ×2, Internal Patch Jumpers ×2 (MLR-L44 only), User Manual ×1.

### Official Consultation & Partnerships

Official Website: [www.alnets.net](http://www.alnets.net)

Business Email: [sale@alnets.net](mailto:sale@alnets.net)

WeChat Support: [alnets-wx](https://www.alnets.net)

Telegram: [@alnetscn](https://t.me/alnetscn)

Tel / WhatsApp: 0086-138 5909 6433