

MLR Multi-LAN Proxy Router

Product Datasheet · MLR-L22 / MLR-L44
ALN-DS-MLR-EN · v1.1 · 2026-10-26 · English translation for review

Product overview

MLR integrates multiple wired sub-routers in one unit, with one business LAN port per network. Each group has separately managed router MAC, network and proxy settings, supporting fixed desks, streaming PCs, racks and centralized devices.

L22 / L44 provide 22 / 44 business LAN ports. The 24 / 48-port hardware also includes uplink, configuration and internal-link ports; physical port count is not business-network count.

Core capabilities and application value

Capability	Function and value
One port per network	Identify groups through the physical LAN port and cable.
ALBulk batch management	Import proxies, update router MACs, save and export lists.
Individual maintenance	Edit nodes, run Ping and set per-node or batch DNS.
Proxy resources	Use supported provider APIs or customer VPS resources through CloudLink.
Internal management	Maintain selected downstream access through port mappings.
Wired continuous deployment	Gigabit business ports and fan cooling; documentation lists continuous-operation support.

Typical business uses

Wired studios, streaming desks, device racks and multi-client sites requiring network and proxy assignment by port.

01 / Models and Technical Specifications

Model configurations and interfaces

Item	MLR-L22	MLR-L44
Business LAN ports	22 × Gigabit	44 × Gigabit
Sub-routers / networks	22	44
Wireless	None (L models)	None (L models)
WAN designation	ETH2	Port 48
Configuration port	Port 23	Port 23
Internal links	Port 24 -> ETH1	24 -> ETH1; 47 -> ETH2
Proxy protocols	SOCKS5, HTTP, VMess, VLESS, Shadowsocks	Same
Management	ALBulk (Windows)	Same
Cooling	Fan	Fan

Technical notes

The 24 / 48-port hardware provides 22 / 44 business LANs; other ports serve uplink, configuration or internal links. This edition covers wired L22 / L44, not legacy LW wireless models. Existing contents include the router, adapter, internal cables and mounting brackets; L models have no Wi-Fi antennas.

Unconfirmed quantitative specifications

Enclosure dimensions, net weight, supply ratings, system power consumption and environmental ratings remain unconfirmed.

02 / Port Layout and Batch Proxy Configuration

Physical port roles

Role	MLR-L22	MLR-L44
Business LAN	22 ports	44 ports
Uplink	ETH2	Port 48
Configuration PC	Port 23	Port 23
Internal link	Port 24 -> ETH1	Port 24 -> ETH1; Port 47 -> ETH2

Retain internal cables as shown in the wiring instructions. Connect business clients to working LAN ports and the management PC to the configuration port; do not apply legacy LW wireless wiring to L models.

Proxy and DNS specifications

Function	Configuration and behavior
Import	Proxy -> Import Proxy loads a TXT list mapped to sub-routers.
Individual update	Select a node, Modify or Edit Proxy, then Set Proxy.
Node testing	Ping checks connectivity; also verify target applications and egress.
DNS	Select or enter DNS; Apply to all applies it in batches, Set DNS saves it.
Export	Export TXT, maintain nodes and reimport in the same format.
Provider API	Enter supported provider information in Proxy API for updates.

Current specifications list SOCKS5, HTTP, VMess, VLESS and Shadowsocks. Legacy SOCKS5/HTTP examples are not universal formats for other protocols; match the tool version and node type.

03 / MAC, CloudLink and Internal Access

Sub-router identity management

ALBulk generates brand-router MACs, refreshes them through New MAC, and imports/exports TXT lists. Apply changes and maintain a port/network/proxy assignment register.

L22 / L44 are wired models. SSID-name fields in shared software do not mean the device broadcasts wireless networks; LW antennas, transmit power and hidden SSID functions are not L-model specifications. Router MAC updates do not change business-PC or application fingerprints.

CloudLink specifications

Step	Configuration
Server preparation	Static IP; existing workflow uses Ubuntu 22.04.
Binding	Enter Name, Host, SSH Port, User and login details, then Bind.
Assignment	Select a bound Host under Sub Router, then Modify and Set Proxy.
Ports	Configured SSH port; proxy ports 23585, 26516 and 32411 over TCP/UDP.

Cloud servers, bandwidth and public IPs depend on customer resources. Provider compatibility, update intervals and other server OS versions do not yet have complete support matrices.

Internal control and NAS access

Configure internal port mapping for a target sub-router and client IP, for example target RDP port 3389 and an internal management port. Local management does not need the business proxy.

Open upstream NAS/server access through LAN Access rules. Downstream management and upstream resource access are different directions and should be tested separately. Existing access-rule documentation identifies a V3.3 update; verify the installed version.

Separate ports and sub-routers share one device. Access controls depend on rules and wiring; physical port count does not establish actual isolation.

04 / Topology and Deployment Selection

Typical topology

```
Upstream router -> MLR WAN
Business LAN 01...22 / 44 -> business clients
Management PC -> Port 23 -> ALBulk / internal mapping
Internal links -> follow L22 / L44 wiring instructions
```

Scenarios and application value

Scenario	Configuration focus	Value
Fixed desks	Port per client or group	Maintain settings and cables by desk.
Device racks	Proxy list indexed by port	Locate affected nodes by port.
Shared data	NAS/server access rules	Keep required resource access.
Batch maintenance	Mappings and configuration export	Manage selected clients and retain settings.

Model and component selection

Choose L22 for 22 business ports or L44 for 44. Scale across units when necessary while planning uplinks, management and proxies. For mostly wireless clients, compare BPR-W / PCR-W.

Deployment checks

Identify ports -> connect internal links -> connect WAN and Port 23 -> import proxies -> set MAC/DNS -> save and test -> verify each business-port egress -> enable required internal access.

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