

AiR AI Cloud Gateway Router

Product Datasheet · AiR-100 / AiR-200
ALN-DS-AiR-EN · v1.1 · 2026-10-26 · English translation for review

Product overview

AiR provides cloud connectivity for local clients and services: Cloud Outbound for external resources and Cloud Inbound for access to site services through a fixed public entry. Cloud refers to connectivity, not mandatory cloud storage of business data.

AiR-100 supports 100 devices, 100 egress proxy IPs and 100 concurrently connected devices. AiR-200 is ready for launch and supports 200 of each. Both are wired-only, fanless units.

Core capabilities and application value

Capability	Function and value
Cloud Outbound	Provide network access for developer tools, external APIs and data workflows.
Device egress assignment	Share egress among clients or assign different proxy IPs per device.
Fixed Cloud Inbound	Use one VPS and port mappings to access site services externally.
Remote Agent access	Provide a configurable network path to site Agent hosts and services.
Local-compute support	Connect model downloads, application deployment and remote calls.
Capacity selection	Select by 100/200-device scale, not inferred API request throughput.

Typical business uses

AI development teams, site Agent hosts, remote access to internal services, AI data collection and local-compute network support.

01 / Models and Technical Specifications

Model configurations and interfaces

Item	AiR-100	AiR-200
Maximum devices / egress proxy IPs	100 / 100	200 / 200
Device concurrency	100 devices	200 devices
CPU	4 cores / 4 threads	Intel i5, 4 cores / 4 threads
RAM	2GB	4GB
Storage	32GB	32GB SSD
Network	1 × Gigabit LAN + 1 × Gigabit WAN	Same
Wireless / mobile	No Wi-Fi or 4G/5G module	Same
Supply / documented power	12V / 4A; nominal 12W	Same
Enclosure / cooling	Aluminum / fanless	Same
Dimensions / weight	185 × 264 × 64 mm / approx. 900g	Same
Controls / indicators	ON/OFF; red power + green network LEDs	Same

Technical notes

Cloud Outbound and Inbound depend on configured cloud nodes and resources; capacity does not include public IPs. Device concurrency is not API concurrency or fixed throughput. The documented 12W lacks a corresponding load-test report; 12V/4A is a supply rating.

Unconfirmed quantitative specifications

Power-test conditions, environmental ratings and performance reports require documentation.

02 / Cloud Outbound and Device Assignment

Outbound specifications

Capability	Configuration and behavior
External access	Configure VPS/proxy nodes for access to required external resources.
Shared egress	Multiple clients may share one egress proxy IP as configured.
Per-device egress	Assign different nodes per device, up to 100 / 200 egress proxy IPs.
Node resources	Region, IP, bandwidth and availability depend on actual resources and project settings.
Developer resources	Network access to code, images, models and external model APIs.
Data workflows	Network support for AI data collection, RAG and training-data preparation.

Capacity describes configuration scale, not included public IPs. Different node records do not necessarily have different public egress; verify actual addresses.

Concurrency and performance

Confirmed capacity is 100 / 200 concurrent devices, not Gigabit per device, API request concurrency or fixed latency. Clients share ports, hardware and upstream resources; applications depend on bandwidth, node quality and load.

Existing deployment materials mention multiple nodes and failover, but current-version detection, policies and recovery records are incomplete. This edition does not turn those references into seamless-switching or uptime guarantees.

Network-layer responsibilities

AiR supplies connectivity, not model training or data-collection application logic. API Gateway account proxies, employee permissions, account pools and usage budgets are application-layer functions, not substitutes for AiR egress settings.

03 / Cloud Inbound and Service Access

Fixed public entry

Cloud Inbound uses one fixed VPS, domestic or overseas as appropriate. External users reach VPS IP + mapped port, forwarded to a selected site service. Different internal devices/applications may have separate mappings.

Element	Meaning
Cloud entry	One fixed VPS as the project's public entry.
Site target	A specified internal IP and running service.
Service port	Map an entry port to a site port without conflicts.
Users	Authorized administrators, employees or applications.
Verification	Check the public entry, site service and access authorization.

The theoretical port space is 65535; system and occupied ports must be excluded. Actual mapping capacity, concurrency and rules are project-specific; port-number space is not tested service capacity.

Combined deployments

AiR + AiA: connectivity and Agent runtime respectively. AiR + AE-2000 / AiW-V: external-resource/remote access and local applications/models. AiR + API Gateway: service networking and application permissions/usage respectively.

Hardware and delivery

The current unit has an ON/OFF button, a red power LED lit when powered and a green network LED flashing on network activity/connectivity as documented. There is no reset button. LAN/WAN are Gigabit wired ports; no Wi-Fi, 4G or 5G module.

Contents: one router and one adapter; one-year warranty. Nodes and access policies are configured per project. Management screenshots, detailed procedures and environment/performance records remain incomplete; interface button names are not invented here.

04 / Topology and Deployment Selection

Typical topology

```
Outbound: site clients -> AiR -> configured node -> service
Inbound: remote user -> fixed VPS IP:port -> AiR -> site service
Site switch -> AiA / API Gateway / local model host
```

Scenarios and application value

Scenario	Configuration focus	Value
Developer team	External model/API access	Maintain site service paths centrally.
Remote Agent access	Fixed entry and service mappings	Reach the site environment while away.
AI data preparation	Device-specific egress	Support application-layer workflows.
Local compute operations	Downloads and remote access	Connect operators with site applications.

Model and component selection

Assess AiR-100 for up to 100 devices and AiR-200 near 200, alongside bandwidth and node resources. Local computation alone does not automatically require a gateway; configure for actual network needs.

Deployment checks

List clients/services -> connect WAN/LAN -> prepare nodes -> configure outbound assignments -> configure inbound mappings -> verify entry/egress and authorization -> test site scale.

Website: www.alnets.net **Email:** sale@alnets.net