

ALNETS AiR Series

AI Cloud Gateway Router

Connect on-site devices to approved external services
and give remote users access to approved on-site
services.

AiR-100**100 devices**

up to 100 outbound proxy IPs / 100
concurrent devices

AiR-200**200 devices**

up to 200 outbound proxy IPs / 200
concurrent devices



Industrial fanless design • wired-only connection • 1 × LAN + 1 × WAN Gigabit ports

[Start with the work](#)

Teams need resources outside. Staff need services back on-site.

Export teams check overseas information. AI teams pull code and models. Engineers and staff still need on-site services when they are away.

Teams on-site Need external information, platforms, and developer resources



Export & cross-border teams

Sales and operations teams check overseas information and use Google, YouTube, and Facebook. Several office devices need access.



AI development teams

Developers pull code from GitHub, images from Docker, and models from Hugging Face.



Overseas data teams

Multiple devices collect data for knowledge bases or AI training. Different tasks need their own outbound paths.

People away Need services that remain at the company or project site



Remote project support

Engineers away from a project site still need its selected Web or API services.



Staff working away

Staff working away need approved files or Agent services that remain on the company network.

These tasks need a way out from the site and a way back in.

AiR provides both paths: site devices reach selected external resources ("Cloud Outbound"); remote staff reach selected on-site services ("Cloud Inbound").

Images illustrate use cases. Both paths need project-configured VPS nodes. Confirm each platform, account permission, connection, service, and open port per project.

Core Architecture

On-site devices connect out. Remote users connect in.

AiR-100 / AiR-200 sits on the customer network. Cloud outbound connects on-site devices to approved external services. Cloud inbound lets remote users reach approved on-site services. “Cloud” describes the connection; business data does not have to move to the cloud.

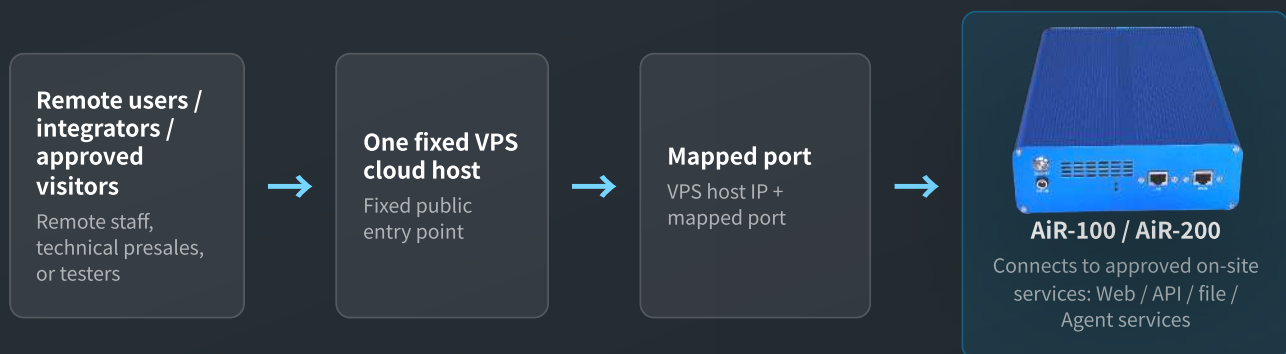
Cloud Outbound (site to external)

Call specified external services



Cloud Inbound (external to site)

Access approved on-site services



Project confirmation

VPS node, region, bandwidth, IP type, cost, and availability must be confirmed per project.

Exposed service boundary

Expose only project-approved Web / API / file / Agent services and mapped ports.

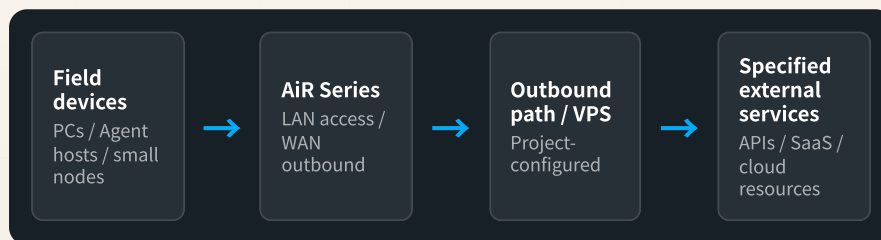
Local data boundary

Cloud refers to connection path capability; it does not mean customer business data must be migrated to the cloud.

Cloud Outbound

Give on-site devices the external access each task needs

Devices on the AiR network reach selected external services. They can share one outbound IP, or each device can use a different IP when the task calls for it.



Connection path

Field devices -> AiR-100 / AiR-200 -> project-configured outbound path / VPS -> specified external services.

Developer PCs / Agent hosts

Calls specified model APIs, development resources, and external services required by workflows.

Small service nodes / data tasks

Access headquarters systems, SaaS, payment APIs, and external Web/API/file services for RAG updates and data preparation.

AiR Series provides network access for data collection and preparation. It does not train models or add compute power.



AiR-100

Up to 100 devices

Configure up to 100 outbound proxy IPs; up to 100 concurrent devices.

AiR-200

Up to 200 devices

Configure up to 200 outbound proxy IPs; up to 200 concurrent devices.

One shared outbound IP

Devices A • B • C



Outbound IP 1

Office devices use one path to selected services.

Different IP for each device

A → IP 1

B → IP 2

C → IP 3

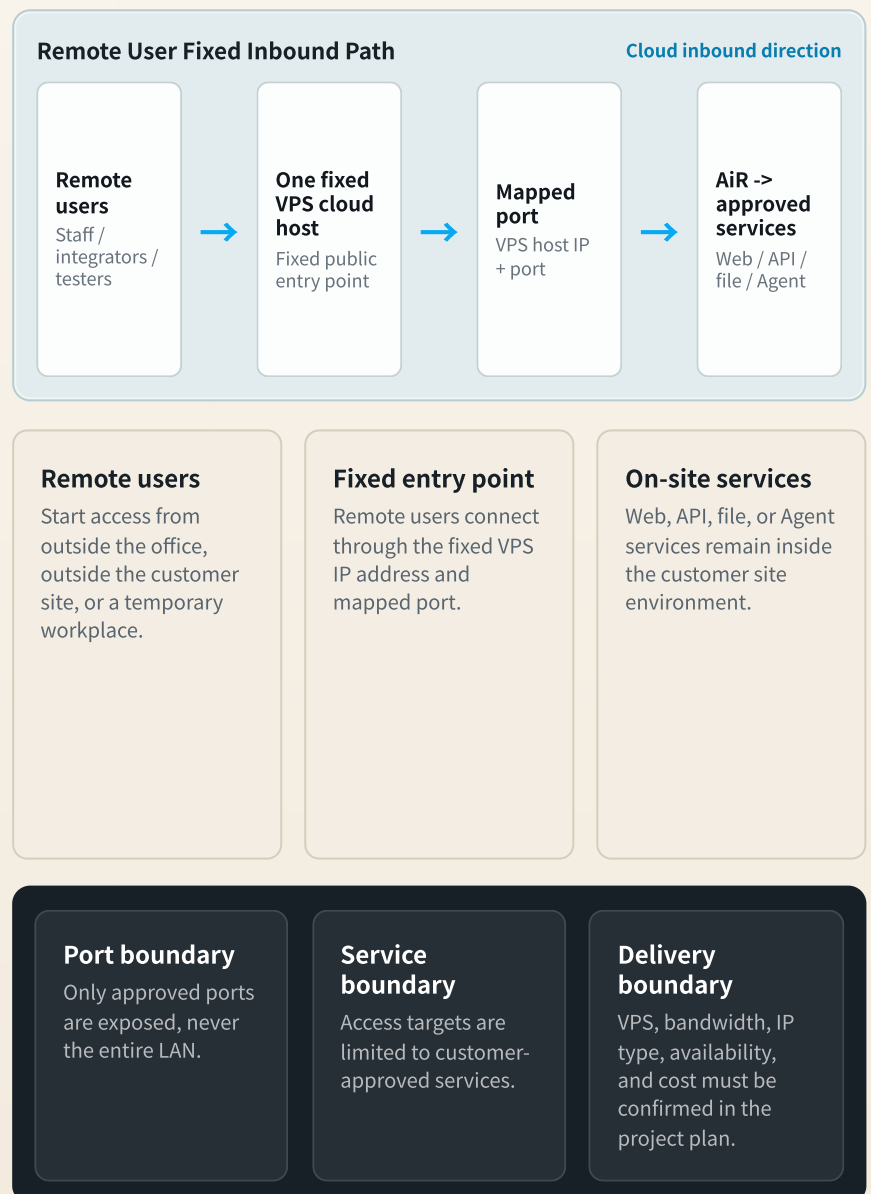
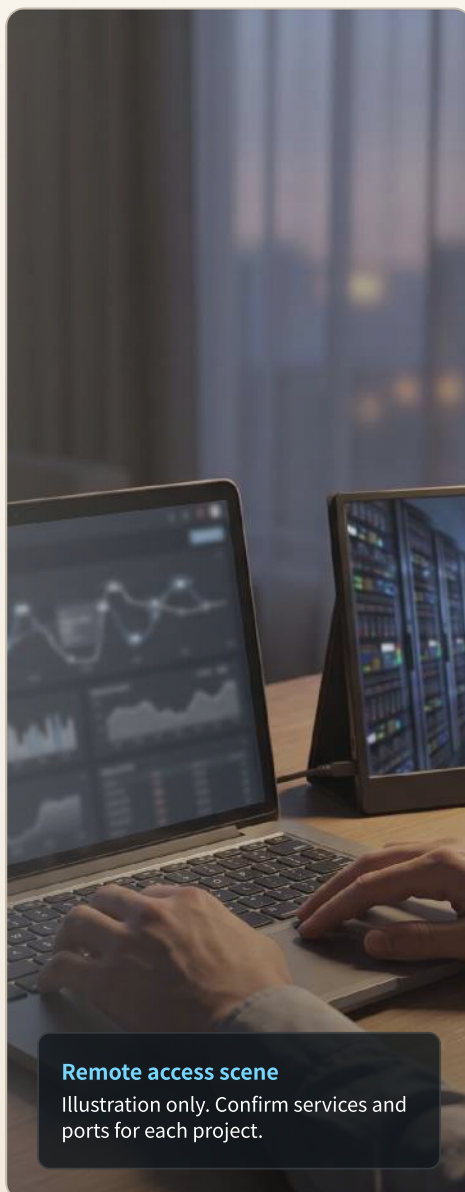
Assign by device for data collection tasks.

100 / 200 are IP configuration limits. Actual IPs and VPS nodes are configured per project, not bundled.

Cloud Inbound

Keep services on site. Let remote users reach them.

Cloud inbound uses one fixed VPS host and one public entry IP. Different mapped ports let remote users reach approved on-site Web, API, file, or Agent services.

**One fixed entry IP**

One VPS host

**Different mapped ports**

Set per service

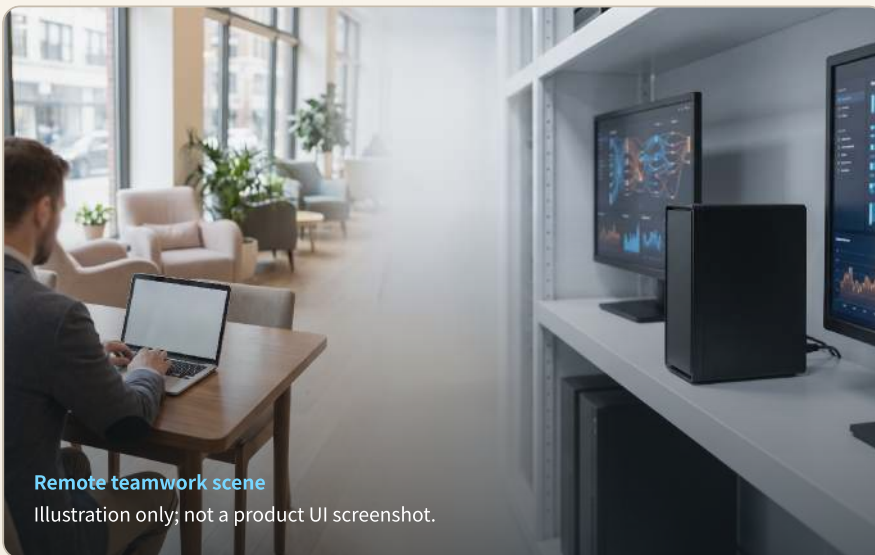
**Selected on-site services**

Web / API / files / Agent

Agent Workflow

Keep Agent hosts on site. Let team members work remotely.

For teams using Claude Code, Codex, or similar agents, an on-site Agent host keeps tasks running. AiR Series provides the configured cloud outbound and fixed cloud inbound paths. Team members can reach approved Agent services from outside the office.

**Remote members**

Access approved on-site Agent services from outside the office.

On-site runtime

Agent hosts or local services continue running at the company site.

Connection role

AiR Series provides connectivity; the on-site host runs the agents.

Runtime boundary

Agent tasks run on on-site hosts or customer-approved devices.

Outbound boundary

Model, API, SaaS, and cloud resource access is configured per project.

Inbound boundary

External access reaches only approved Agent services and confirmed ports.

Cloud Outbound**Agent host**

Runs continuously at the company site

**AiR Series**

Connects to the project outbound path

**Specified models / APIs**

Calls external services by task

Cloud Inbound**Team members**

Initiates access externally

**Fixed VPS**

Public entry + mapped ports

**On-site Agent service**

Accesses only approved services

Use Paths

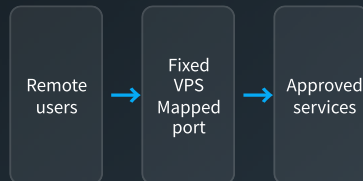
Choose AiR-100 or AiR-200 by task and device count

**AI** AI development teams

Developer PCs, Agent hosts, and small service nodes call specified model APIs, development resources, or SaaS interfaces.

Selection rule

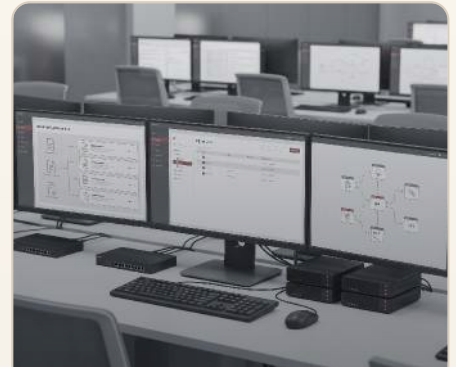
Choose AiR-100 for up to 100 devices. For 101–200 devices, choose AiR-200 and confirm the outbound proxy IP count.

**On-site services**

Web, API, file services, or on-site hosts are accessed through a fixed entry point while services remain on site.

Access rule

Confirm exposed services and mapped ports first; then confirm VPS node, bandwidth, IP type, and cost.

**DB** Data collection and RAG updates

Multiple collection devices, data preparation tasks, or RAG update tasks access external Web/API/file services per project configuration.

Capacity rule

Choose by device count, required outbound IPs, and concurrency. IP capacity is up to 100 / 200.

AiR-100

Up to 100 devices; configure up to 100 outbound proxy IPs; 100 concurrent devices. For small teams, offices, and single-site services.

AiR-200

Up to 200 devices; configure up to 200 outbound proxy IPs; 200 concurrent devices. For larger sites and data tasks.

Where capabilities come from**AiR Series**

Provides cloud outbound, fixed cloud inbound, VPS paths, and port-mapping boundaries.

Agent host / AE-2000

The Agent host runs agents; AE-2000 provides local edge compute when selected.

AiM device operations

Manages supported ALNETS devices. Confirm models and services for each project.

AiR Series | Ports, Specifications, and Delivery Terms

Check the ports, model, and project requirements

- 1

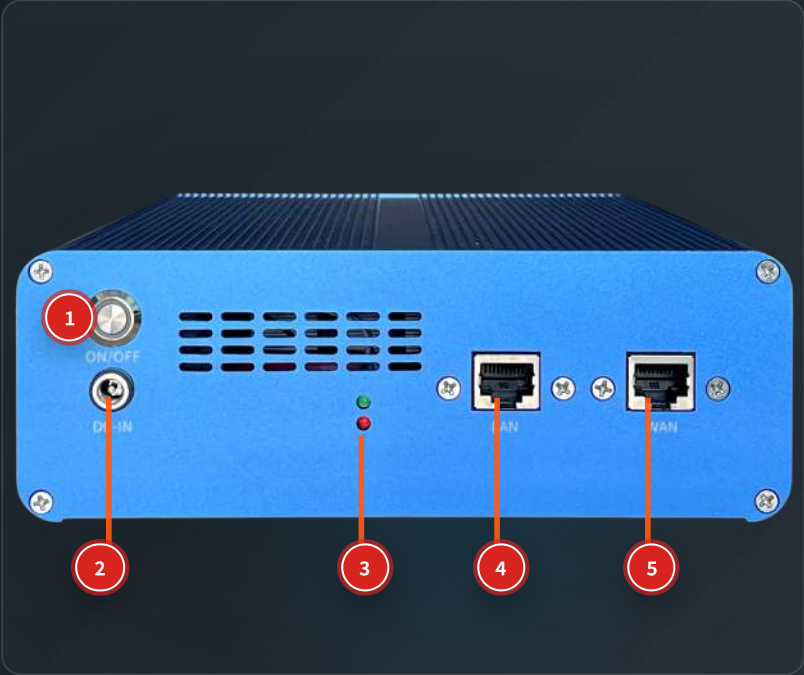
ON/OFF button
Turns the device on or off.
- 2

DC power input
Connects the 12V/4A adapter.
- 3

Red / green LEDs
Red stays on with power; green blinks when connected.
- 4

LAN Gigabit port
Connects on-site LAN devices.
- 5

WAN Gigabit port
Connects the upstream network.



Item	AiR-100	AiR-200
Model status	Current model	Market-ready model
Device scale	100 devices	200 devices
Outbound IP capacity	Up to 100	Up to 200
Concurrency	100 concurrent devices	200 concurrent devices
CPU / Memory / Storage	4 cores / 4 threads / 2GB / 32GB	Intel i5, 4 cores / 4 threads / 4GB / 32GB SSD
General specifications	Industrial fanless router, aluminum enclosure; 185 × 264 × 64 mm, approx. 900 g; 12V/4A, 12W; 1 × LAN + 1 × WAN dual Gigabit ports; wired only, no Wi-Fi, no 4G/5G; package includes router × 1 and power adapter × 1; 1-year warranty.	

Before purchase, confirm the VPS node, region, bandwidth, IP type, cost, availability, and which services and ports to expose.

Contact ALNETS for a topology, deployment advice, and full specifications

For AI development teams, enterprise IT, system integrators, and field service teams.

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