

AiA AI Agent Host

Product Datasheet · AiA-8 / AiA-16
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Product overview

AiA is an independent, always-on host for running Agent tasks and retaining working directories and outputs, reducing reliance on a continuously powered personal PC. Cloud or local models are external services; AiA itself does not perform model inference.

AiA-8 / AiA-16 share the CPU, interfaces and enclosure, differing in RAM and storage. Two general-purpose Gigabit ports support project-specific network roles, without fixed WAN/LAN or remote-power-control assignments.

Core capabilities and application value

Capability	Function and value
Dedicated runtime	Maintain a stable Agent environment and task directories for individuals, families or roles.
Base tools	Documentation lists Clay, Claude Code CLI, Codex CLI, Hermes and cc-switch.
Cloud/local model access	Configure service addresses and credentials in compatible tools.
Dual-network configuration	Connect external-model and internal knowledge networks with project-specific isolation.
Remote access	Use AiR or the existing network to reach site Agent services remotely.
Device operations	AiM supports remote configuration, status and maintenance.

Typical business uses

Personal persistent tasks, role-specific Agents, family use, multi-host offices and teams keeping work directories and outputs on site.

01 / Models and Technical Specifications

Model configurations and interfaces

Item	AiA-8	AiA-16
CPU	Intel Celeron J1900; 4 cores / 4 threads; 2.0GHz	Same
RAM	8GB	16GB
Storage	256GB SSD	512GB SSD
Network	2 × general-purpose Gigabit RJ45; two NICs	Same
USB	3 × USB 2.0; 1 × USB 3.0	Same
Video input markings	1 × HDMI IN; 1 × VGA IN	Same
Power / control	1 × DC IN; 1 × power button	Same
Supply / documented power	12V / 4A; rated 10W	Same
Enclosure / cooling	Aluminum alloy / fanless	Same
Dimensions (L × W × H)	195 × 165 × 84 mm	Same
Standard OS	Ubuntu 22.04	Same

Technical notes

Model numbers denote RAM tiers, not user, Agent or task concurrency. AiA runs Agents rather than local inference; third-party accounts, subscriptions, API Keys and model entitlements require separate configuration. Current AiA has no remote power-on/off.

Unconfirmed quantitative specifications

HDMI/VGA IN signal specifications, power-test conditions, environmental ratings, net weight and packaging details remain to be confirmed.

02 / Agent Runtime and Model Access

Software specifications

Module	Configuration and behavior
OS	Ubuntu 22.04 standard; Windows 10 optional without a Windows license.
Agent tools	Install/run base tools per delivery configuration; verify versions and OS compatibility individually.
Working directories	Store task input, processed files and outputs on the host, organized by the selected tool.
Cloud models	Set service URL, credentials and model in a compatible Agent, save and test real calls.
Local models	Connect to a separate compute host's deployed service; verify protocol, model and tool-call support.
Identity	Customer login/authorization or administrator-managed services and access.

Third-party accounts, subscriptions, API Keys, model entitlements and network resources are not included in hardware/software installation. Installed tools do not establish compatibility with every model, plugin or version; an online model service does not establish acceptance of the full Agent workflow.

Persistent tasks and resource selection

AiA-8 has 8GB RAM / 256GB SSD; AiA-16 has 16GB / 512GB. Choose by directory size, tool resource use and applications, not an assumed user or concurrency count.

Local retention and permissions

Host-retained directories reduce dependence on personal PCs but do not mean all data stays offline. Cloud models, online tools and external APIs transmit data along their actual paths. Multi-user accounts, output directories and permissions require OS/application configuration; dedicated hardware alone does not establish enterprise approval or audit capabilities.

03 / Dual NICs, Operations and Integration

Interface roles

Interface	Role and configuration
Two Gigabit RJ45	Two general-purpose NICs for project-specific networks; no fixed WAN/LAN designation.
USB	3 × USB 2.0 and 1 × USB 3.0 for configured peripherals.
HDMI IN / VGA IN	One input each, following confirmed product information; detailed signal specifications and uses remain to be documented.
DC / button	12V/4A supply and local ON/OFF button.

When connecting an external and isolated internal network, verify routes, DNS, service binding and forwarding at the site. Two NICs do not automatically isolate security domains. Legacy four-port, Always-On LAN and fixed HOST1/HOST2 diagrams do not apply.

Remote access versus power control

AiR or existing infrastructure supplies remote connectivity; AiA supplies the running Agent service. Remote service access does not remotely power the unit on. Current AiA has no remote power-on/off and neither RJ45 is a fixed power-control port.

AiM device configuration/status/maintenance is distinct from Agent model permissions. Available interfaces and deployed versions are project-specific. The documented 10W is a rated value without complete load/measurement records; 12V/4A is an adapter rating.

Component responsibilities

AiA runs Agents; AiW-V or another suitable host supplies local models; AiR supplies networking; API Gateway manages models and calling permissions. Validate each client/gateway protocol rather than assuming universal Agent compatibility.

04 / Topology and Deployment Selection

Typical topology

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Cloud: user -> access entry -> AiA -> network/AiR -> model
Local: user -> AiA -> model service on separate compute host
Dual NICs: network A <-> AiA <-> network B (configured rules)
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Scenarios and application value

Scenario	Configuration focus	Value
Personal tasks	Dedicated Agent and directories	Retain the environment when the personal PC is offline.
Role-specific host	Configuration by user or role	Maintain fixed tasks and directories.
Internal workflow	Local models and knowledge services	Control access through the network design.
Use while away	Site Agent plus remote networking	Access running services, not remote power-on.

Model and component selection

Consider AiA-8 for basic persistent tasks; AiA-16 for additional RAM and directory capacity. Shared multi-user operation depends on OS/application isolation, not the RAM model number.

Deployment checks

Check supply/NICs -> initialize OS/accounts -> confirm Agent versions -> set directories -> configure model URL/credentials -> test tasks and file permissions -> configure remote access and operations.

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