MCP SERVER | NO CODE | CLOUD HOSTED

KDniao MCP

Manage any shipment across China’s major carriers.

KDniao connects your AI agent to China's major logistics network, giving you full visibility into e-commerce shipping and supply chain operations across the country. Use this MCP to track any package, identify carriers from a tracking number, estimate delivery timelines, or even schedule pickups, all through natural conversation.

A+ Quality Score 100/100

logistics-tracking | waybill-management | express-delivery | supply-chain | carrier-integration | real-time-updates

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vinkius.com/mcp/kdniao

SCAN TO VIEW

The infrastructure that powers AI agents in the real world.

Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

> *The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.*
>
> — Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

```
https://edge.vinkius.com/{token}/mcp
```

Claude · Cursor · VS Code · Windsurf · Grok · Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1) Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

> Get started at **cloud.vinkius.com** — connect your AI agent in under 60 seconds.

KDniao MCP

8 tools available
Cloud-hosted on Vinkius

This MCP lets your AI agent manage complex Chinese logistics without needing to touch a single tracking portal. You can talk to your agent and get instant status updates on shipments across hundreds of carriers, turning complicated supply chain monitoring into simple conversation.

Need to know where an order is? Your agent tracks the package in real time. Planning a bulk shipment? It estimates pricing and arrival times for specific routes. Want proof of delivery details? You can even ask it to identify the original shipper just from the tracking number. Whether you're running customer support or auditing fulfillment, your AI agent acts as your professional logistics assistant. Because Vinkius hosts this MCP, you connect once and gain immediate access to powerful tools for handling everything from creating electronic waybills to setting up automated status alerts.

Core Capabilities

01 — Track real-time package location

Get the current and historical journey details for any domestic or international shipment.

02 — Calculate delivery estimates

Determine predicted arrival dates or figure out shipping costs before sending a product.

03 — Identify shippers by tracking number

The agent automatically figures out which company originally shipped the item based on its code.

04 — Schedule pickups and waybills

Request a courier to pick up items or generate necessary electronic shipping documentation.

05 — Set status change alerts

Ask the system to monitor a package and send an automatic alert when its status changes.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/kdniao** — connect your AI agent in three steps.

01 Subscribe to this MCP, providing your unique KDniao EBusinessID and AppKey credentials.

02 Connect the MCP to your preferred AI client (like Claude or Cursor).

03 Use natural language prompts with your agent to request tracking updates, pricing estimates, or pickup scheduling.

The bottom line is that you get a single, conversational interface for managing all of your China-based logistics needs.

Built For

This MCP is built for anyone whose job depends on knowing exactly where a product is. It's perfect for the e-commerce seller who gets frustrated with manually checking carrier websites, and the supply chain manager tired of dealing with fragmented logistics data.

E-commerce Operations Specialist

Uses this MCP to automate customer updates, instantly tracking packages across multiple carriers without visiting a single website.

Supply Chain Manager

Coordinates material deliveries and runs audits by using the agent to get shipping price estimates and predicted arrival times for entire routes.

Customer Support Lead

Resolves delivery inquiries quickly by letting their AI client pull instant, accurate shipment traces on demand.

What Changes When You Connect

01 Stop jumping between carrier websites. With this MCP, your AI agent handles all tracking and status checks using `track_package` in a single conversation.

02 Save time on planning. Instead of calling logistics partners for quotes, the agent uses `query_shipping_price` to get instant, accurate rates and estimates.

03 Automate customer updates entirely. Use `subscribe_tracking` to set up alerts; you'll know when a status changes without having to check manually.

04 Simplify paperwork. Need documentation? Your agent generates the necessary shipping record using `create_electronic_waybill`, taking manual form filling off your plate.

05 Solve mystery tracking numbers. If you only have a code, use `identify_carrier` to instantly know which company is responsible for delivery.

Real-World Applications

A customer asks about an overdue package.

Instead of giving the customer generic advice and having to manually check 4 different websites, you ask your agent to `track_package`. The AI instantly pulls the latest status, tells you where it is, and provides a clear timeline for resolution.

You are fulfilling an order from multiple suppliers.

Before sending out the invoice, you ask your agent to `query_shipping_price` for each item's route. It compiles all the necessary cost estimates so you can give the client one accurate total price.

You need to know who sent a package with an unknown tracking number.

The shipment arrived, but your team doesn't know who originally sent it. You prompt the agent to `identify_carrier` using just the number, and it tells you the most likely shipper company right away.

You need to schedule a bulk collection of returned goods.

Instead of calling a courier yourself, you instruct your agent to use `preorder_pickup` or `onsite_pickup`, scheduling the exact time and location for the recovery shipment.

Patterns to Avoid

Treating tracking like simple data retrieval

✗ AVOID

A user might try to simply copy a tracking number into an AI prompt expecting it to know everything, forgetting that complex logistics requires specific actions.

✓ INSTEAD

You must instruct your agent on the *action* needed. Don't just 'track package X.' Instead, use `track_package` or ask your agent to specifically run the `identify_carrier` tool first.

Forgetting about scheduling options

✗ AVOID

A seller needs a pickup but only remembers the general area and date. They try to manually coordinate it with emails, which is slow and prone to errors.

✓ INSTEAD

Use `preorder_pickup` or `onsite_pickup`. These tools handle the official scheduling request directly through the MCP, locking in the time slot instantly.

Confusing tracking with documentation

✗ AVOID

A user thinks that getting a package status is the same as creating the paperwork needed to ship it out. They try to use `track_package` when they actually need a waybill.

✓ INSTEAD

If you are sending goods, you must first ask your agent to run `create_electronic_waybill`. This generates the necessary documentation before you can track the shipment.

The Right Fit

Use this MCP if your core business process involves managing physical movement of goods within China. You need real-time visibility, scheduling capabilities, and cost estimation for logistics routes. It's essential when you must bridge the gap between a tracking number and actionable operational data.

Don't use this if all you need is a basic map view or simple text formatting. If your requirement is only to format addresses or write product descriptions, then general-purpose writing tools are better. If you just need to read global commodity prices, look for a finance-type MCP instead; KDniao handles physical movement and carrier data exclusively.

The Logistics Headache: Tracking Packages by Hand

Right now, tracking an order means logging into Carrier A's website to check the status. Then you jump over to Courier B's site for a second update. You copy numbers, paste them in, and spend twenty minutes just verifying if the package is still moving toward the customer. If you need a price quote, it's another dozen tabs open.

With this MCP, your agent handles all of that mess. You ask your AI client to track the order, and it pulls data from every necessary source, synthesizing one clean update for you. It's like having an expert logistics coordinator who never gets tired—you just talk to them.

KDniao MCP: Scheduling Deliveries in Minutes

Manual pickup scheduling involves emailing the carrier, waiting for a confirmation email, and then updating your internal CRM with the confirmed date. This process is slow, requires multiple handoffs, and often leads to missed pickups or wrong dates.

Now, you simply prompt your agent to use `preorder_pickup`. The MCP communicates directly with the logistics network, confirms the slot, and updates everything in one go. It changes scheduling from a drawn-out coordination effort into a single command.

KDniao: 8 Shipping Tools for E-commerce

These tools allow your agent to handle every part of the logistics lifecycle—from generating shipping labels to tracking real-time package movement.

#	TOOL	DESCRIPTION
01	`create_electronic_waybill`	Generates the required digital shipping waybill document for a consignment.
02	`get_estimated_arrival`	Predicts the delivery time of a package using specific route data.
03	`identify_carrier`	Automatically detects which logistics company is handling the shipment from its tracking code.
04	`onsite_pickup`	Requests a courier to pick up goods directly from the specified location.
05	`preorder_pickup`	Schedules a future date and time for a courier to collect items.
06	`query_shipping_price`	Retrieves an accurate cost estimate based on the package size, route, and weight.
07	`subscribe_tracking`	Sets up automated webhook alerts to notify you whenever a shipment status changes.
08	`track_package`	Retrieves the full, real-time movement history and current location of a specific package.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U Track package 'YTO123456789' using carrier code 'YTO'.

I've retrieved the traces for your YuanTong package. It has been delivered and signed for at 2:30 PM today in Beijing. Would you like to see the full delivery history?

U Identify the shipper for tracking number '7890123456'.

Based on the tracking number format, the most likely shipper is 'ZTO Express' (ZTO). I can also check if it might belong to other carriers like Yunda or EMS if you prefer.

U Estimate arrival time for an SF Express package from Shanghai to Hangzhou.

I've checked the route statistics. A standard SF Express shipment from Shanghai to Hangzhou typically arrives within 24 hours. Would you like me to check the estimated price for this route as well?

Frequently Asked Questions

01 **How does KDniao help me calculate shipping costs?**

You use the `query_shipping_price` tool, which takes package details and routes to provide an instant cost estimate. This eliminates manual quotes from different carriers.

02 **Can I set up automatic tracking updates with KDniao MCP?**

Yes, you run the `subscribe_tracking` tool. This tells the system to monitor a package and send automated alerts via webhook whenever its status changes, so you don't have to check manually.

03 **What if I only know the tracking number, but not the carrier?**

No problem. Your agent can use `identify_carrier` with just the code. It will automatically detect and tell you which logistics company is managing that specific shipment.

04 **Is KDniao good for cross-border tracking?**

The MCP supports both domestic Chinese shipments and international packages, giving you a broad range of visibility across various networks.

05 **How do I create the necessary shipping paperwork using this MCP?**

You use the `create_electronic_waybill` tool. This generates the required official digital waybill using specific sender and receiver details, ready for the carrier to accept.

Go Live in 60 Seconds

Get your connection token from **cloud.vinkius.com**, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add `"kdniao": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → Add endpoint URL
ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

- Ask ChatGPT
- Ask Claude
- Ask Perplexity
- Ask Gemini
- Ask Grok

READY TO CONNECT

KDniao is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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