MCP SERVER | NO CODE | CLOUD HOSTED

Product Markup Calculator MCP

Get precise pricing and profit margins in seconds.

Product Markup Calculator is a specialized toolset for anyone managing retail or product-based finances. It lets your AI client handle the math behind your pricing strategy, allowing you to quickly determine how much to charge for an item based on cost, desired profit, or specific margin targets.

A+ Quality Score 100/100

pricing | profit | markup | margin | retail

MAINTAINED BY VINKIUS CLOUD FOR AI AGENTS · SEPTEMBER 2026
vinkius.com/en/ai-agent-connect/product-markup-calculator

SCAN TO VIEW

The connectivity layer between AI and the world's software.

Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the connectivity layer where AI connects 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.

Product Markup Calculator MCP

4 tools available
Cloud-hosted on Vinkius

Pricing products shouldn't involve manual spreadsheet math every time you want to test a new strategy. This MCP gives your AI client the specific formulas needed to handle retail math accurately. You can move from a raw cost to a final customer price without worrying about calculation errors. Whether you are trying to hit a specific profit dollar amount or you need to see how a markup percentage affects your actual margin, your agent can do the heavy lifting. It handles the relationship between cost, markup, and margin so you can focus on the high-level business decisions. Instead of guessing, you get direct answers on what your bottom line looks like before you ever list a product for sale.

Core Capabilities

01 — Markup Calculation

Your agent calculates the percentage increase needed over your base cost.

02 — Price Determination

The AI finds the exact selling price based on your cost and profit goals.

03 — Profit Projection

Your client calculates the specific dollar amount you will earn from a sale.

04 — Margin Analysis

The tool compares markup and margin to show the relationship between the two.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/en/ai-agent-connect/product-markup-calculator** — connect your AI agent in three steps.

01 Connect your AI client to Vinkius.

02 Select the Product Markup Calculator from the catalog.

03 Ask your agent to perform a calculation using cost or profit data.

04 Receive the calculated price, markup, or profit immediately.

Setting up this MCP is a one-time process that gives your AI client immediate access to pricing tools.

Built For

This MCP is built for professionals who manage inventory and product pricing.

Retailers

They hand off cost and desired profit to the AI to set shelf prices.

E-commerce Managers

They use the agent to quickly test different markup scenarios for new products.

Inventory Analysts

They use the tools to compare margins and markups across different product lines.

What Changes When You Connect

01	Eliminates manual math errors in pricing calculations.
02	Provides instant feedback on profit margins.
03	Allows for rapid testing of different pricing strategies.
04	Connects directly to your existing AI workflow.

Real-World Applications

New Product Launch

Calculate the necessary selling price for a new item based on its manufacturing cost.

Profitability Audits

Check how different markup levels impact your actual dollar profit.

Pricing Adjustments

Determine how much to raise prices to hit a specific margin target.

Margin vs Markup Checks

Compare these two metrics to ensure your pricing strategy is sound.

Patterns to Avoid

Manual Spreadsheet Guessing

✗ AVOID

You try to manually calculate a 30% margin in a spreadsheet and then ask your agent to check if the math looks right. This invites human error and wastes time.

✓ INSTEAD

Let the agent handle the math from the start. Use `get_selling_price` to get the exact price based on your cost and profit goals immediately.

Confusing Margin and Markup

AVOID

You assume a 25% markup is the same thing as a 25% margin and set your prices accordingly. This leads to lower actual profits than you planned.

✓ INSTEAD

Always verify the relationship between these two metrics. Use `get_margin_comparison` to see the difference between what you add to the cost and what you actually keep.

Ignoring Dollar Profit

AVOID

You focus only on markup percentages and forget to check if the actual dollar amount earned per unit covers your overhead. A high percentage on a cheap item might not pay the bills.

✓ INSTEAD

Check your actual earnings per unit. Use `get_profit_from_markup` to see the specific dollar amount you will make from a sale.

The Right Fit

Connect this MCP if you manage inventory, retail pricing, or e-commerce margins and want to stop using manual spreadsheets. Do not connect it if you don't deal with cost-plus or margin-based pricing models. The decision comes down to whether you need your AI agent to perform precise retail math instead of just guessing.

Product Markup Calculator: 4 Precision Pricing Tools

These tools handle the math between base costs, markup percentages, and final selling prices. Your agent uses them to turn raw cost data into actionable pricing strategies.

#	TOOL	DESCRIPTION
01	`get_profit_from_markup`	This tool determines the actual dollar amount of profit you will make. It uses your cost and a specific markup percentage to find the final earnings.
02	`get_selling_price`	This tool finds the final price you should charge customers. It takes your cost and profit into account to give you a single selling price.
03	`get_margin_comparison`	This tool compares your markup percentage against your margin percentage. It helps you see the difference between what you add to the cost and what you keep from the sale.
04	`get_markup_percentage`	This tool calculates the markup percentage based on your cost and desired profit. Use it to find out how much of a percentage increase you need to apply to your base cost.

See It in Action

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

U If a product costs $50 and I want a $20 profit, what is the markup percentage?

The markup percentage is 40%.

U What should the selling price be for an item that costs $100 with a $25 profit?

The final selling price should be $125.

U How much profit will I make if I apply a 30% markup to a $200 item?

The resulting monetary profit will be $60.

Frequently Asked Questions

01 **What can this MCP calculate?**

It calculates markup percentages, final selling prices, monetary profit, and compares markup to margin percentages.

02 **Which AI clients can use this MCP?**

You can use this with any MCP-compatible client like Claude, Cursor, or Windsurf.

03 **Do I need to host this myself?**

No, Vinkius hosts and manages the MCP for you. You just connect and use it.

04 **Can I use this for both retail and wholesale pricing?**

Yes, the tools work for any scenario where you need to calculate price based on cost and profit.

05 **Is there a way to compare markup and margin?**

Yes, the get_margin_comparison tool is specifically designed to show the relationship between the two.

06 **How do I calculate the selling price?**

You can use the `get_selling_price` tool by providing the original cost and the desired profit amount.

07 **What is the difference between markup and margin?**

Markup is the profit relative to the cost, while margin is the profit relative to the selling price. Use `get_margin_comparison` to see both values at once.

08 **Can I use this with Claude Desktop?**

Yes, this MCP server can be connected to Claude Desktop, Cursor, VS Code, Windsurf, and any other MCP-compatible client via Vinkius Edge.

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 `"product-markup-calculator": { "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

Product Markup Calculator 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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DOCUMENT INFORMATION

Generated	September 2026
MCP Server	Product Markup Calculator MCP
Server ID	`01a0cfed-fecc-7129-a6a2-b77ae456e42a`
Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

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