

OmniCortex Feature Comparison

vs Basic MCP Memory

OmniCortex provides a comprehensive memory system that goes far beyond basic MCP memory tools. Here's how they compare:

Feature Comparison

Feature	Basic MCP	OmniCortex
Memory Storage	Simple key-value	SQLite with full schema
Search	Basic lookup	Full-text search (FTS5)
Memory Types	None	11 types (fact, decision, solution, etc.)
Status Tracking	None	4 statuses with freshness management
Importance Scoring	None	1-100 scale with filtering
Tagging	None	Multi-tag with search
Relationships	None	4 relationship types with graph viz
Activity Logging	None	Complete audit trail
Session Management	None	Full context preservation
Cross-Project Search	None	Global index
Multi-Project View	None	Aggregate data across projects
Project Management	None	Favorites, custom scan dirs, registration
Web Dashboard	None	Full-featured Vue 3 dashboard
Export Options	None	JSON, Markdown, CSV, SQLite
Semantic Search	None	Optional embeddings support
Image Generation	None	Nano Banana Pro integration
Response Composer	None	Style-matched response generation
Style Profiles	None	Personal writing style learning
Command Analytics	None	Slash command/skill usage tracking
Security Hardening	None	XSS/CSRF protection, CSP headers

Key Differentiators

Knowledge Graph

OmniCortex allows you to link memories together with typed relationships (related_to, supersedes, derived_from, contradicts), creating a navigable knowledge graph visualized in the dashboard.

Response Composer (NEW in v1.13.0)

Generate AI-powered responses that match your personal writing style. Supports platform-aware formatting (Skool, email, DM, comments), tone adjustment, and uses your stored writing samples to maintain voice consistency.

Enhanced in v1.14.0 with custom instructions and 'Explain to Me' mode.

Style Profile System

Build a profile of your communication patterns by storing sample messages. The system learns your voice, phrases, and style markers to generate responses that sound authentically like you.

Project Management

Easily manage multiple projects with configurable scan directories, manual project registration, and favorites for quick access. All settings persist in `~/.omni-cortex/projects.json`.

Freshness Management

Memories have status tracking (fresh, needs_review, outdated, archived) with configurable staleness thresholds. The Review tab helps you maintain knowledge quality over time.

Complete Audit Trail

Every tool call is logged with input, output, timing, and success status. The Activity tab provides full visibility into what Claude has done during your sessions.

Cross-Project Search

The global index at `~/.omni-cortex/global.db` enables searching across all your projects. Find patterns and solutions from previous projects instantly.

Image Generation (Nano Banana Pro)

Generate visual content directly from your memories using Gemini 3 Pro. Create infographics, workflow diagrams, quote cards, and more with 8 preset templates and full customization.

Command & Skill Analytics

Track which slash commands and skills you use most, with scope differentiation (universal vs project). Monitor MCP server integration metrics and view success rates for all tool calls.

Security Hardening

Production-ready security with XSS protection (DOMPurify), path traversal prevention, security headers (CSP, X-Frame-Options), and prompt injection protection for LLM integrations.

When to Use What

Scenario	Recommendation
Simple note-taking	Basic MCP may suffice
Project-specific knowledge	OmniCortex (project DB)
Cross-project patterns	OmniCortex (global search)
Team knowledge base	OmniCortex (export & share)
Long-running projects	OmniCortex (freshness management)
Complex codebases	OmniCortex (relationships + graph)
Community engagement	OmniCortex (Response Composer)
Consistent voice across platforms	OmniCortex (Style Profiles)

OmniCortex | github.com/AllCytes/Omni-Cortex