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	**7 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**
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**
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.

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Memories have status tracking (fresh, needs_review, outdated, archived) with configurable staleness thresholds.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)

OmniCortex | github.com/AllCytes/Omni-Cortex