

CadNexa — Security & Data Handling Summary

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1. Purpose & scope

This document describes how CadNexa (cadenexa.com), a browser-based platform for engineering drawing ballooning, FAI report generation and 3D CAD viewing, handles customer files — specifically for organisations evaluating the product under customer NDAs. It states what is processed locally, what is transmitted, what is stored, for how long, and by whom.

2. Processing models

Capability	Where processing happens	Does the file leave the user's computer?
3D Viewer (STEP / IGES / STL): viewing, measurement, BOM, exploded views	100% inside the browser (WebAssembly)	No — never. The file is opened locally and is not uploaded.
2D Sketch: drawing, dimensioning, PDF/DXF export	100% inside the browser	No — never.
Auto-Balloon: PDF/image drawing → ballooned FAI report	Browser + transient AI processing (\$3)	Rendered page images only, encrypted, transiently (\$3).

3. Auto-Balloon: exact data flow

- The PDF file itself is **not uploaded**. It is opened and rendered into page images inside the user's browser.
- For AI detection, rendered **page images** are transmitted over encrypted HTTPS (TLS 1.2+) to: (a) CadNexa's OCR service (Google Cloud) — stateless, processes **entirely in memory**, writes nothing to disk or storage; request data is discarded when the response returns (memory lifetime: seconds); (b) Anthropic's Claude API for dimension detection, via CadNexa's server-side proxy.
- **CadNexa stores no drawings**. No drawing image, page or PDF is written to any CadNexa database or storage bucket; no such code path exists in the product.
- Detection **results** (dimension text + coordinates — not the drawing) are cached in the **user's own browser** (IndexedDB) and never leave their machine.
- The ballooned PDF / FAI report is generated in the browser and downloads directly to the user's computer. CadNexa never receives a copy.

4. AI training commitment

CadNexa does **not** retain, share, sell or use customer drawings to train any AI model. The in-product training-data collection capability was deliberately removed — it does not exist in the code. Anthropic, CadNexa's AI subprocessor, does not train on customer API data under its commercial terms; Anthropic may retain API inputs for a limited period (up to ~30 days) solely for trust-and-safety monitoring, after which they are deleted.

5. Data stored by CadNexa

Data	Location	Retention
Account identity (name, email via Google sign-in)	Managed Postgres (Supabase on AWS), encrypted at rest (AES-256)	Until account deletion is requested
Subscription metadata (plan, status). Card data is never held by CadNexa	Same database; payments processed by Razorpay (PCI-DSS L1)	Account lifetime + statutory periods

Data	Location	Retention
Usage counters (metadata only — never drawing content)	Same database	Rolling analytics window
Customer drawings / CAD files / reports	Not stored	—

6. Encryption & access control

- In transit: HTTPS / TLS 1.2+ on all traffic. At rest: AES-256 for the account database.
- Row-Level Security: database-enforced policies ensure each account can only access its own records.
- Authentication: Google OAuth only — CadNexa never sees or stores passwords.
- Internal access: administrative access is restricted to the founder's account, enforced at database-policy level.

7. Subprocessors

Provider	Purpose	Certifications
Google Cloud	OCR compute (stateless, in-memory)	ISO 27001, SOC 1/2/3
Anthropic	AI dimension detection (no-training terms)	SOC 2 Type II
Supabase (on AWS)	Account database & authentication	SOC 2 Type II; AWS ISO 27001
Razorpay	Payments & subscriptions	PCI-DSS Level 1
Netlify	Static site hosting	SOC 2

8. Certification status

CadNexa is an early-stage product and does not yet hold its own ISO 27001 / SOC 2 certification; the infrastructure it operates on (above) does. The security posture rests on an architectural principle: the most confidential data — drawings and CAD files — is either never transmitted at all, or processed transiently and never stored. A formal certification programme is on the company roadmap.

9. Evaluation options for NDA-bound organisations

- Evaluate first with a sanitised or non-confidential drawing — the workflow is identical.
- CadNexa will sign a mutual NDA on request.
- CadNexa will complete your organisation's vendor security questionnaire on request.

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