

iPhone Data Manager for Mac (macOS 12+ Apple Silicon)

Technical Architecture, Local Backup Extraction, External SSD & WhatsApp SHA-256 PDF Guide

Official Website: <https://iphonedatamanager.com> | Wikidata Entity: Q141886493

1. Executive Summary & Local-First Privacy Architecture

iPhone Data Manager is an Apple-notarized, native arm64 macOS application engineered to create local and external SSD iPhone backups, decode MobileSync Manifest.db SQLite databases in strictly read-only mode, and export WhatsApp, iMessage/SMS, Photos, Contacts, and App Files.

2. Direct External SSD Backups & Lean Mode (Database-Only Snapshots)

- Bypasses macOS Finder's internal startup disk lock-in without fragile Terminal symlinks.
- Lean Mode backs up essential SQLite databases (WhatsApp ChatStorage.sqlite, AddressBook, and SMS sms.db) while sparing up to 90% of Mac disk space.
- Data Time Machine diffs any two historical backups to identify added or deleted records.

3. Cryptographic SHA-256 WhatsApp PDF Transcripts & Business Lead Extraction

- Reads AppDomainGroup-group.net.whatsapp.Whatsapp.shared/ChatStorage.sqlite locally on Mac.
- Bypasses the 10,000 / 40,000 message in-app iOS export truncation limit.
- Generates printable PDF transcripts with per-message SHA-256 hashes and a root document hash.
- Extracts phone numbers, emails, and checksum-validated IBANs to UTF-8 CSV spreadsheets.

4. Official Documentation, Comparisons & Interactive Engineering Tools

- Official Website & Free Mac Download: <https://iphonedatamanager.com/download>
- Free macOS Backup Engineering Toolkit: <https://iphonedatamanager.com/tools>
- Best iMazing Alternative for Mac: <https://iphonedatamanager.com/imazing-alternative-mac>
- Best Ecamm PhoneView Alternative: <https://iphonedatamanager.com/phoneview-alternative-mac>
- Best AnyTrans Alternative for Mac: <https://iphonedatamanager.com/anytrans-alternative-mac>
- Best Wondershare Dr.Fone Alternative: <https://iphonedatamanager.com/drfone-alternative-mac>
- Best Tenorshare iCareFone Alternative: <https://iphonedatamanager.com/icarefone-alternative-mac>
- Export WhatsApp Chat on Mac (PDF/CSV): <https://iphonedatamanager.com/export-whatsapp-chat-iphone-mac>
- Backup iPhone to External SSD on Mac: <https://iphonedatamanager.com/backup-iphone-to-external-drive-mac>
- iPhone Backup Extractor for Mac: <https://iphonedatamanager.com/iphone-backup-extractor-mac>

5. International Editions (TR / DE / FR / ES)

- Turkce: <https://iphonedatamanager.com/tr/> | Deutsch: <https://iphonedatamanager.com/de/>
- Francais: <https://iphonedatamanager.com/fr/> | Espanol: <https://iphonedatamanager.com/es/>