



RAMTERA

PRODUCT DOCUMENTATION · PHYSICAL VERIFICATION (LVR)

RAMTERA-LVR-SEC

Security and Confidentiality Overview

Your data never leaves your premises — stated operationally

August 2026 · Ramtera PRE engineering



LVR Security and Confidentiality Overview

Physical verification touches the most sensitive artifacts a semiconductor company owns: full-chip layouts and foundry rule decks under NDA. LVR's security model is built on one principle — your data never leaves your premises — and this document states exactly what that means operationally.

on-premises execution model, always	0 telemetry or phone-home	air-gap fully supported	NDA backed evaluations
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The delivery model

Ramtera ships an installer and a license file. You install LVR on your machines and run it on your designs yourselves; Ramtera never receives, hosts, or processes your layouts, netlists, or rule decks. Support is delivered against logs, testcase excerpts, or synthetic reproducers that you choose to share — never against your design database by default.

What the software does and does not do

Area	Statement
Network	LVR makes no outbound connections at runtime. No telemetry, no usage analytics, no update checks. Air-gapped installation is a supported, tested configuration
License data	the node-locked license file encodes only the host identifiers you provide (hostname, hardware address) and entitlement terms — no design data, no user data
Logs and results	written locally under paths you control; nothing is transmitted
Foundry decks	your NDA rule decks are read in place and never copied outside the run's working areas; Ramtera does not require access to them for support
Floating licensing	enterprise pools run on your license server inside your network; checkout traffic stays internal

Confidentiality in the business process

Evaluations and pilots run under mutual NDA. Where Ramtera engineers assist on-site or over screen-share, they work under your access controls and your NDA terms. Benchmark results derived from your designs belong to you; Ramtera publishes nothing from customer engagements without written permission, and its public papers use only open process design kits or synthetic designs.

Foundry relationships

Ramtera holds NDAs with multiple foundries governing rule decks and reference data used in correlation work. The same discipline that keeps foundry data out of Ramtera's public materials — generational descriptors instead of node names, properties instead of protected metrics — applies to customer data.

SECURITY REVIEWS — If your security review needs statements beyond this document — dependency inventory, build provenance, binary signing — raise them during evaluation onboarding; supporting them is part of the enterprise engagement.

About Ramtera

Ramtera Inc. (Delaware, USA), with R&D at Ramtera Design Automation India Pvt Ltd (Bangalore), builds electronic design automation software for physical verification and physical implementation. LVR is Ramtera's physical verification engine (DRC, LVS, ERC, XOR, parasitic extraction); PRE is Ramtera's physical implementation environment (floorplanning, placement, clock tree synthesis, routing, timing analysis and optimization), built on industry-standard command conventions so existing flow scripts and operator skills transfer directly. The company holds granted patents and registered copyrights covering its engines.

Contact

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This document reports measurements from Ramtera's engineering environment (Ubuntu 24.04, GCC 13.3, Tcl 8.6) unless stated otherwise. Product behavior and figures are subject to change; no compatibility, certification, or endorsement by any third party is stated or implied.