

EDITION GUIDE

CanSignal Suite

Trial · Light · Professional
Complete function catalog and edition limits

This document lists every major function in the current CanSignal Suite application, then states the commercial limits for the three planned editions. It is a product definition only. No software behavior has been changed.

Trial requires an internet connection. Light and Professional run fully offline. Signal Generator counts are hard edition caps. Professional has no feature or generator limits.

1. All application functions

The items below are the functions present in the application today (menus, workspace tabs, and tool stack). Professional includes all of them. Trial and Light include the core engineering set and exclude the locked group in Section 2.

1. Projects and workspace

- New / Open / Save / Save As / Close / Delete / Archive project
- Project properties, health, versions, and recent projects
- Import and export project packages
- Create and restore workspace backups
- Settings, logs, alerts, and audit trail

2. Network and hardware

- Connect / Disconnect CAN adapters (virtual bus, PEAK, Kvaser, VSCOM)
- Scan network, set bitrate, bus reset, adapter diagnostics, driver check
- Hardware wizard and native driver / API status
- Virtual bus settings (latency) and optional fault injection

3. Electronic Data Sheet (EDS / DCF)

- Import EDS / DCF (and start simulated node from the same file)
- EDS validation against CANopen object rules
- EDS comparison (two files / two revisions)
- EDS quality scoring
- AI EDS optimization (assistant-aided)
- Device profile view
- CANopen compliance check and Compliance Dashboard
- CODB / network package import and export, EDS report export

4. Object Dictionary

- Object Dictionary workspace (per-node tabs, search, favorites)
- Live / simulated values, periodic read, SDO read and write
- Add objects to Watch and Live Graphs

5. SDO, PDO, and process data

- SDO client, batch read / write, export results
- PDO Monitor (configurations, live signals, raw frames, decode)
- Process Data view
- PDO mapping editor, dynamic remapping, export signals

6. CANopen control and discovery

- NMT: Start, Stop, Pre-Operational, Reset Node, Reset Communication
- SYNC scheduler
- LSS Wizard and LSS FD Wizard (node ID / bitrate commissioning on the wire)
- USDO client and specialty protocols
- Network Explorer / network discovery

7. Trace, graphs, and dashboards

- Trace capture: start, stop, pause view, clear, save, replay
- Up to four independent Trace slots
- Live Graphs and signal watch
- Dashboard Builder (gauges, numeric, bar, radial, thermo, LED, charts)
- Add signals and export graph data

8. Node Simulator and Signal Generators

- Simulated Node: import EDS, create node, Start / Stop, multi-node tabs
- Simulated Object Dictionary (local values, React / Read / Write)
- Signal Generators bound to OD registers (mini / expanded visual widgets)
- Virtual network, bus settings, fault injection

9. Python scripting

- Python Studio: new / run / stop / save scripts
- Python environments
- Automation of connect, simulation, OD favorites, dashboards, and more

10. AI Assistant

- AI chatbot / assistant
- Ask about project, analyze EDS, optimize EDS, analyze trace
- Generate Python scripts, project knowledge base, report writer
- AI trace root-cause helper

11. Diagnostics and analysis tools

- Bus Health, Heartbeat Monitor, Network Diagnostics, Network Topology
- CAN FD analyzer, bit-timing calculator, bus utilization, timing analysis
- Fault analyzer, signal recorder, signal comparison
- Expression engine / derived signals

12. Device lifecycle and production

- Device commissioning
- Store / configuration backup, device cloning
- Calibration workspace, provisioning templates, firmware update
- Test Runner

13. Reports and enterprise workspace

- EDS, network, trace, bus-health, and test reports
- Engineering workspace, enterprise dashboard, change tracking
- Release candidate, collaboration, performance certification
- Production audit, plugin manager, export diagnostics

2. Edition limitations

Three editions are planned. Names below are the product names that will appear on the application.

CanSignal Suite Trial

- Internet connection is required (online license / session).
- Maximum 7 Signal Generators.
- Not available: Python scripting, AI chatbot and all AI tools, Dashboard Builder.
- Not available: EDS validation, EDS comparison, EDS quality, AI EDS optimize, device profile, CANopen compliance, Compliance Dashboard.
- Not available: Device commissioning.
- All other functions in Section 1 remain available (including EDS import, Object Dictionary, simulator, SDO/PDO, trace, live graphs, and hardware/virtual connect).

CanSignal Suite Light

- No internet required. Works fully offline.
- Maximum 15 Signal Generators.
- The same locked features as Trial (Python, AI, Dashboard Builder, EDS analysis/compliance tools, Device commissioning).
- All other Section 1 functions remain available.

CanSignal Suite Professional

- No internet required for core use. Offline license.
- All functions in Section 1 are included.
- Unlimited Signal Generators.
- No other feature limits.

3. Comparison table

Included = the edition may use the function. *Not available* = the edition must not expose it. Signal Generator rows are numeric caps, not yes/no.

Capability	CanSignal Suite Trial	CanSignal Suite Light	CanSignal Suite Professional
Internet	Required	Not required	Not required
Signal Generators	7 maximum	15 maximum	Unlimited
Virtual CAN bus (sim.virtual)	Included	Included	Included
Hardware adapters (PEAK / Kvaser / VSCOM)	Included	Included	Included
Project, backup, settings	Included	Included	Included
EDS / DCF import	Included	Included	Included
Object Dictionary (view, SDO, favorites, periodic read)	Included	Included	Included
SDO client and batch SDO	Included	Included	Included
PDO Monitor and Process Data	Included	Included	Included
PDO mapping editor / remapping	Included	Included	Included
NMT, SYNC, LSS, USDO, Network Explorer	Included	Included	Included
Trace (4 slots), save / replay	Included	Included	Included
Live Graphs	Included	Included	Included
Node Simulator (create / start / stop)	Included	Included	Included
Dashboard Builder	Not available	Not available	Included

Capability	CanSignal Suite Trial	CanSignal Suite Light	CanSignal Suite Professional
Python scripting / Python Studio	Not available	Not available	Included
AI chatbot and AI tools	Not available	Not available	Included
EDS validation	Not available	Not available	Included
EDS comparison	Not available	Not available	Included
EDS quality, device profile, AI EDS optimize	Not available	Not available	Included
Compliance Dashboard / CANopen compliance	Not available	Not available	Included
Device commissioning	Not available	Not available	Included
Diagnostics tools (bus health, heartbeat, utilization, ...)	Included	Included	Included
Reports (EDS / network / trace / test)	Included	Included	Included
Store / backup, cloning, calibration, firmware, Test Runner	Included	Included	Included
Feature limits besides Signal Generators	See locked list	Same locked list as Trial	None

Locked EDS tools are analysis and compliance features only. Basic EDS/DCF import stays in every edition so Object Dictionary and Node Simulator can load a device description.

Document status: planning reference — September 2026. Implementation of edition gates is not included in this delivery.