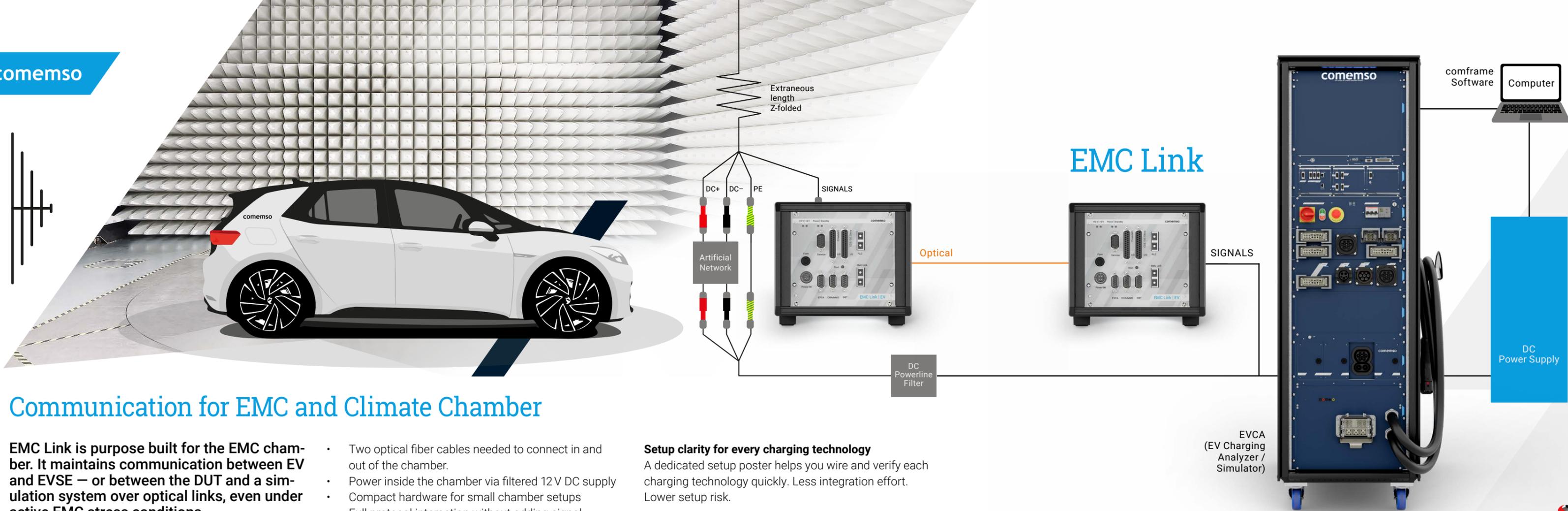




EMC Link

Leading the way in EMC application and e-mobility testing worldwide.



Communication for EMC and Climate Chamber

EMC Link is purpose built for the EMC chamber. It maintains communication between EV and EVSE – or between the DUT and a simulation system over optical links, even under active EMC stress conditions.

In EMC conformance testing, the charging interface is exposed to radiated and conducted disturbances. What matters is not perfect signal quality. What matters is keeping the session stable long enough to complete standard-required measurements and sequences - often over hours. The result is reproducible test conditions, clearer pass/fail decisions, and fewer aborted test runs.

- Two optical fiber cables needed to connect in and out of the chamber.
- Power inside the chamber via filtered 12V DC supply
- Compact hardware for small chamber setups
- Full protocol interaction without adding signal distortion with transparent link
- No device switching or connector changes while switching between AC, CCS, NACS, CHAdeMO and GB/T DC test setups
- Designed for robust optical transmission in real EMC chamber conditions - fewer interruptions, fewer restarts.
- Signal cable length no longer matter as communication takes place via optical cable

Setup clarity for every charging technology

A dedicated setup poster helps you wire and verify each charging technology quickly. Less integration effort. Lower setup risk.

Standards and technologies covered

The EMCLink is available for the following Standards and technologies
 AC, DC-CCS (Combo 1 + 2 & NACS), CHAdeMO, GB/T DC (China) - MCS is available separately.

Specification of EMC Link

Signal transport (transparent link)

- High-level: PLC communication
- Low-level: CP/PP, CS1/CS2, CC1/CC2, CE/ID, temperature
- Aux handling: relay contact to switch 12 V AUX on the opposite side (digital control only)
- Ethernet and CAN

Works with or without comemso test systems

- Standalone – connect real EV and EVSE across the optical link.
- Integrated: with comemso EVCA + comframe, Extend capabilities to logging, analysis, debugging and simulation control (outside the chamber).

Note
 Logging, manipulation, and deep protocol analysis are provided by EVCA and comframe. EMC Link itself is a transparent link.

Use cases in the anechoic chamber

- Reproducible EMC measurements while maintaining a stable charging session
- Long-duration immunity/emissions tests with fewer interruptions and fewer restarts
- Debugging and simulation control under interference (with EVCA + comframe)
- Fast technology changes: Move between AC, CCS, NACS, CHAdeMO and GB/T DC without reconfiguring the link hardware in the chamber.

Testing is better with us.



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