NXP EasyEVSE Development Platform (i.MX 93, Linux OS, Wi-Fi 6)
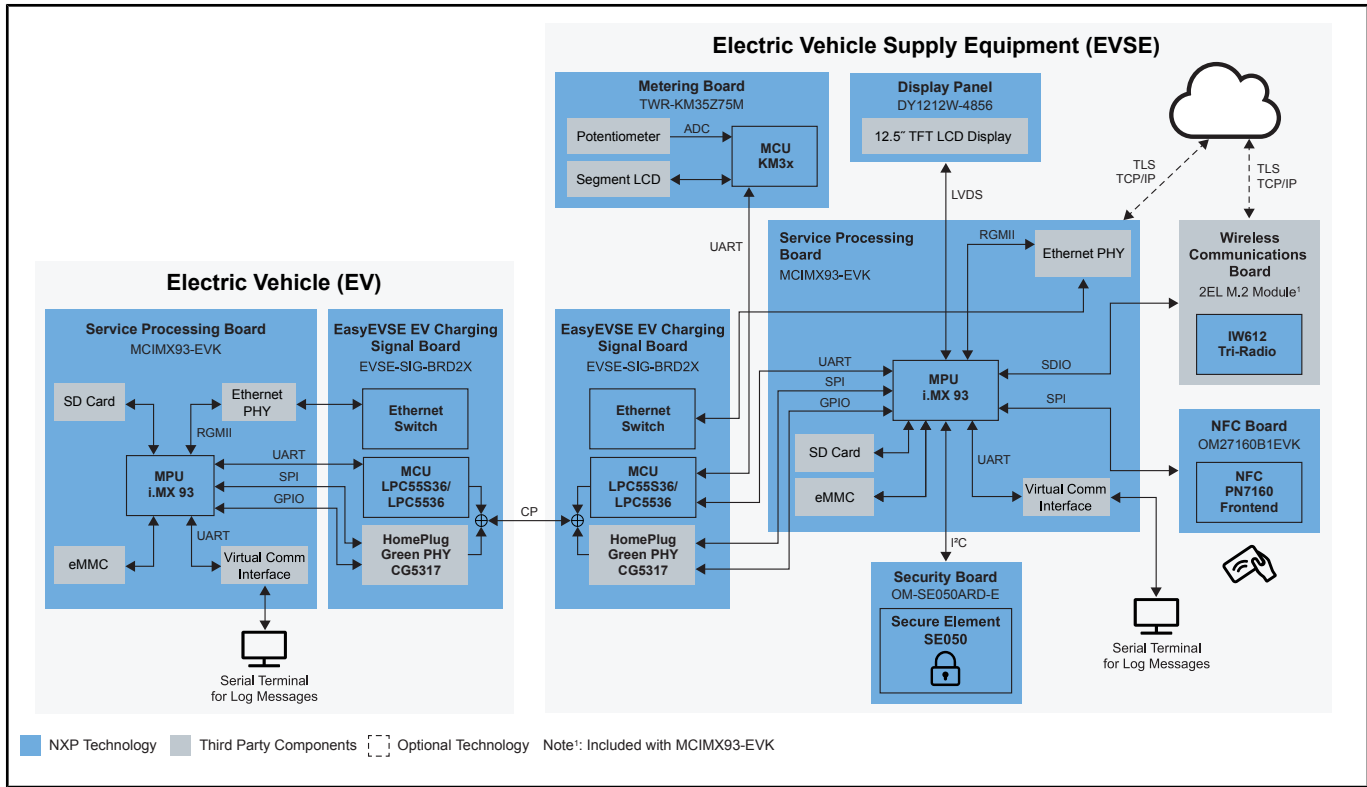
EV-CHRG-STN-MPU

Active

Last Updated: Dec 23, 2025

The EasyEVSE development platform provides software, boards, cables, design files and detailed instructions to quickly simulate a charging control session between a charging station and an electric vehicle. This modular scalable platform is the foundation for developing secure wireless cloud connectivity, accurate energy billing, safe control, one-tap NFC authentication and ISO 15118 power line communications across a HomePlug Green PHY.
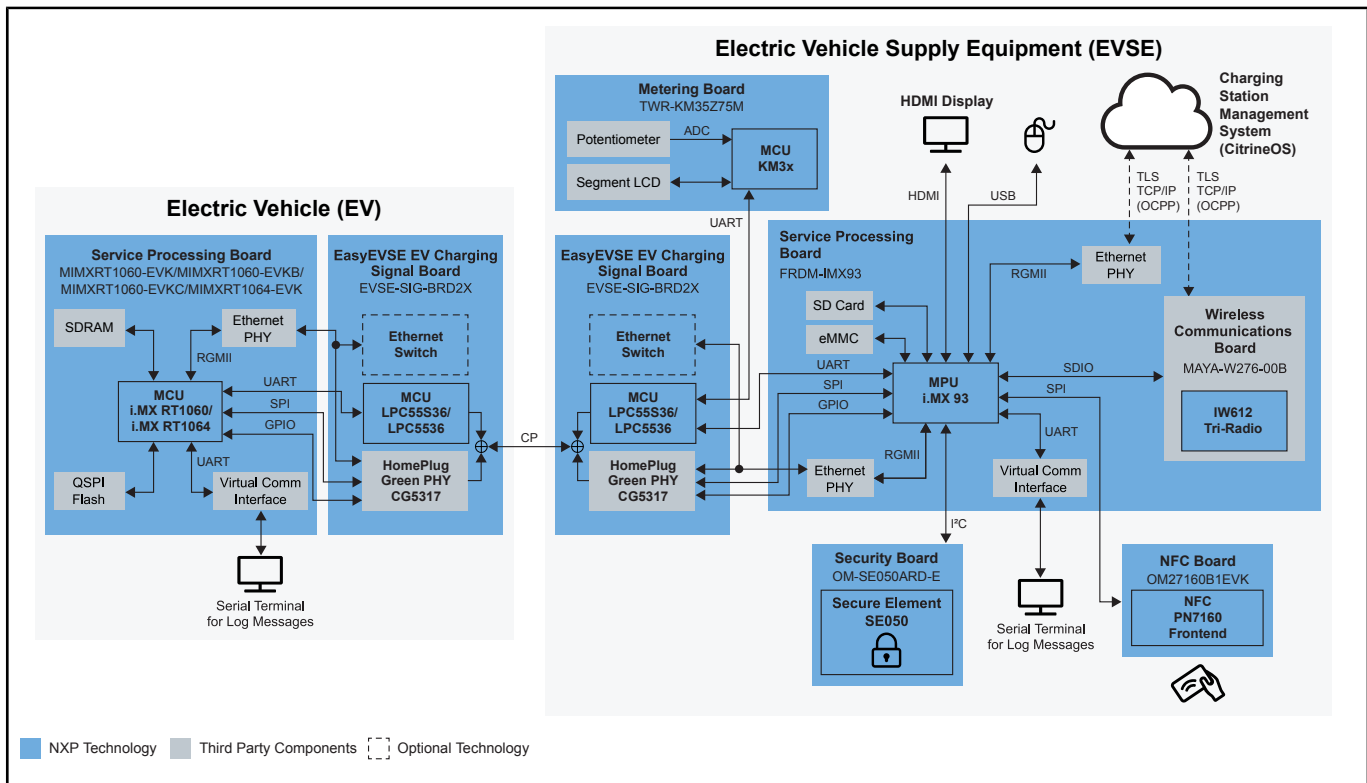
The ISO 15118-2 platform variant supports traditional EV charging with a Plug and Charge feature to simplify the user experience. The ISO 15118-20 platform variant adds support for bi-directional power transfer between the electric vehicle supply equipment (EVSE) and the vehicle.

The development platform supports two hardware and software solutions: EVerest or proprietary software ISO 15118 stack.

EasyEVSE Development Platform with proprietary ISO 15118 stack Block Diagram

EasyEVSE Development Platform on EVerest Block Diagram

View additional information for NXP EasyEVSE Development Platform (i.MX 93, Linux OS, Wi-Fi 6).

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