

Trucking / Automotive Solutions

Data Communications Network for Tractors and Trailers

SM2400A is an advanced System-On-Chip (SoC) with modern OFDM technology to support communication schemes for Tractor and Trailer applications. SM2400A provides interoperability in industry compliant ABS brake solutions as well as the capability to establish data communication networks for other sensors and controls requiring robust high data rates and security encryption.

Available in both Semitech's Chip or Module solutions in Extended Temperature Range (-40°C to 105°C)

Applications

- Trailer ABS Systems
- Industrial Mobility / Automotive Chargers
- Trailer Sensors
- Trailer Control / Latches
- Tractor / trailer Identification

Supported Comms. Protocols

- PLC4TRUCKS / J2497 compliant
- G3-PLC – Popular in industrial applications
- XXR (eXtra eXtra Robust)



SM2400A-P40 Module Features

- Turnkey solution
- Simple 4 pin connector – PWR, GND, TX, RX
- UART interface
- Optional SPI and RS485 interfaces
- TX / RX LED indicators
- Size: 60mm x 45mm x 15mm



SM2400A-P40
Production-Ready PLC
Module

SM2400A Chip Capabilities

- Multiple protocol support on one platform
- Extreme robust mode (XXR) for error free comms in noisy environments
- Supports P4T / J1587 ABS Reader commands
- IPv6 for scalability and large payload size
- Secure comms using AES-128 / 256 bit encryption engine



SM2400A-MQEQ-Y
Modem Chip