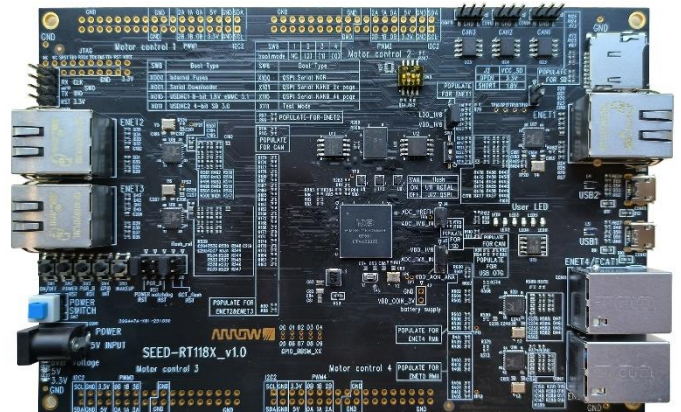# ARROW

SEED-RT118X Development Kit

Description

SEED-RT118X is a development kit based on NXP i.MX RT118x developed by Arrow Electronics. i.MX RT1180 Crossover MCUs are dual-core devices featuring an Arm® Cortex®-M7 and Cortex-M33 for high performance and real-time functionality. The i.MX RT1180 includes an integrated Gbps time sensitive networking (TSN) switch and EtherCAT Slave Controller making it ideal for industrial and automotive communication applications. SEED-RT118X integrats Ethernet, EtherCAT, CAN, and USB etc., as well as four connectors which can supports an additional motor control board independently.

Main chips

- NXP(MIMXRT1189CVM8A)
- NXP(TJA1044GT/3)
- Realtek(RTL8201FI-VC-CG)
- Realtek(RTL8211FDI-CG)

Applications

- Building Automation
- Factory Automation
- Industrial Gateway
- Healthcare
- Metering
- Motion Control
- Robotics
- Motor Drives
- Programmable Logic Controller and Remote I/O

Block diagram