Outline How to use the CAN with Linux

1. What is CAN

Briefly introduce the CAN protocol, its history and its application fields.

And its reference materials.

1. What is Socket CAN

What is Socket CAN? Socket CAN uses the Berkeley socket API, the Linux network stack and implements the CAN device drivers as network interfaces.

Why using the Socket CAN, its advantage and shortcoming.

1. How to implement CAN driver for SAMA5D3 with Linux

Mainly introduce to develop the SAMA5D3 CAN driver for Socket CAN.

The CAN network driver interface, device properties, setting the CAN bit-timing, and so on.

How to set CAN controller hardware filters.

How to configure the kernel make CAN work.

1. How to configure and use Socket CAN

Mainly introduce two packages: ip-route2, can-utils, which are the Socket CAN tools.

Take the example in detail,

How to use ip-route2 to show and set Socket CAN.

How to use can-utils to test Socket CAN.

And how to build them with build root.

1. The Socket CAN application example

How to develop a application for Socket CAN.