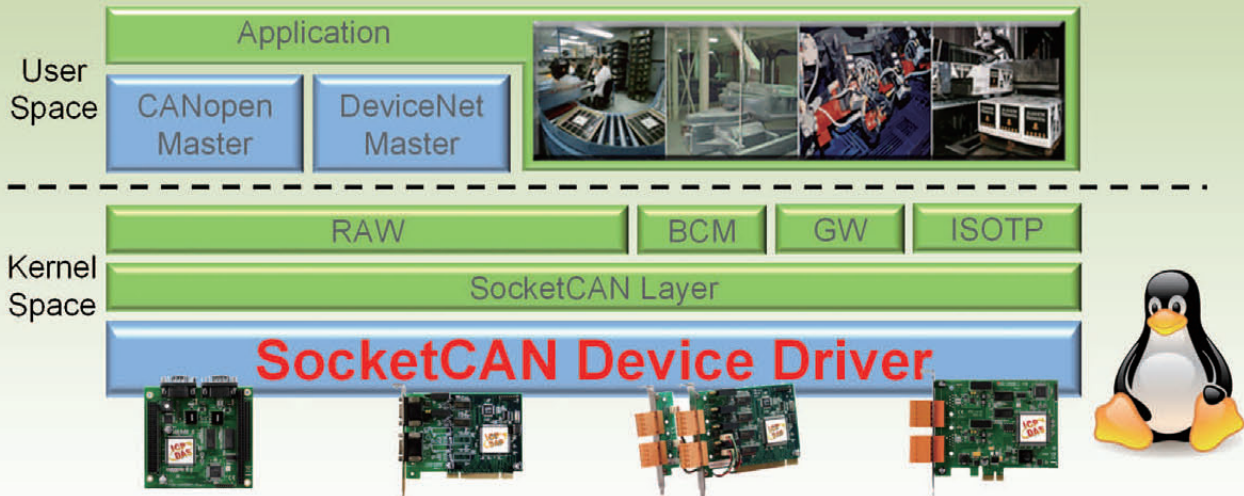


CAN bus Software



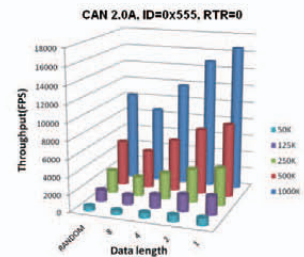
SocketCAN Device Driver



SocketCAN driver is a kind of device driver based on the Linux operating system, and it contains the implementation interface of the network stack and the hardware driver. The hardware manufacturers develop the hardware driver of SocketCAN driver for their hardware interface, and the network stack provides the standard BSD Socket APIs for users. Therefore, through the SocketCAN network stack, they can program their CAN applications as the Ethernet applications without being familiar with the various APIs of the different CAN hardware interface.

Features

- Support Linux kernel version 2.6.31~2.6.34 (x86 hardware platform only)
- Provide CANopen/DeviceNet master static library
- Standard interface for SocketCAN package. Users can use extended BSD socket APIs, you can program the CAN application as building a socket program
- Support Virtual CAN interface. Users can map several virtual CAN port into one physical CAN port. Each virtual CAN port has its own socket. Through these sockets, users can build the multi-thread application more easily
- Provide the RAW socket, CANopen master and DeviceNet master demos
- Good price-performance for economical applications



Hardwares Support

PISO-CAN200U-D PISO-CAN200U-T	2-Port isolated protection Universal PCI CAN communication board with 9-pin D-sub connector or 5-pin screw terminal connector
PISO-CAN400U-D PISO-CAN400U-T	4-Port isolated protection Universal PCI CAN communication board with 9-pin D-sub connector or 5-pin screw terminal connector
PEX-CAN200i-D PEX-CAN200i-T	2-Port isolated protection PCI-Express CAN communication board with 9-pin D-sub connector or 5-pin screw terminal connector
PCM-CAN100	1-Port isolated protection PCI-104 CAN communication module with 9-pin D-sub connector
PCM-CAN200	2-Port isolated protection PCI-104 CAN communication module with 9-pin D-sub connector
PCM-CAN200P	2-Port isolated protection PC-104+ CAN communication module with 9-pin D-sub connector