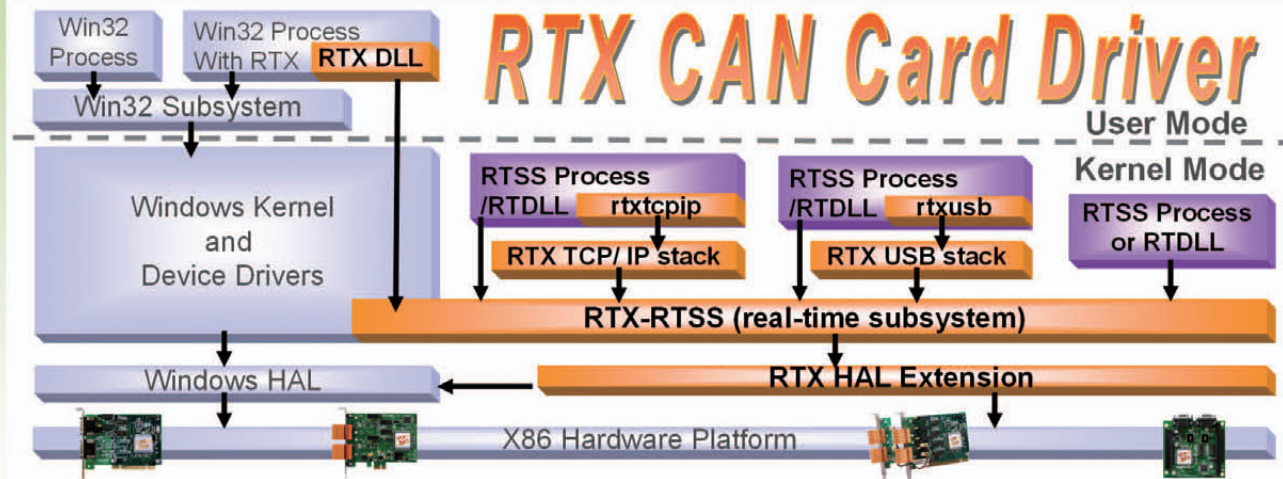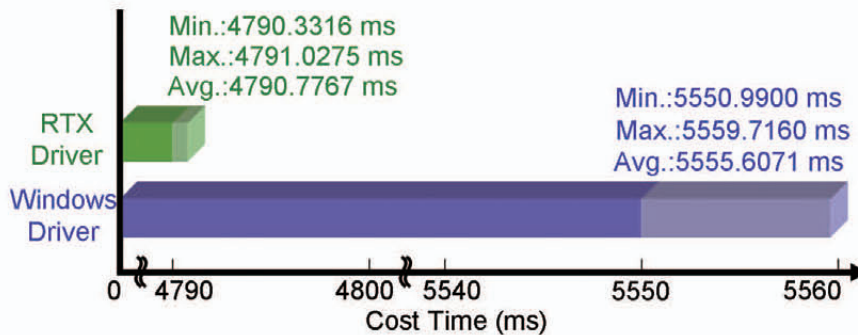## RTX CAN Driver

RTX CAN Card Driver

When you develop a time-critical system, the bad real-time defect of the OS usually troubles you. In order to solve this problem, IntervalZero provides the RTX, a real-time application development platform and runtime environment, on Windows OS. By means of the RTX driver of the PISO-CAN series, you can easily and quickly combine the CAN communication in your time-critical system. Besides, the API forms of the RTX driver and the Windows driver are the same. You don't need to pay more efforts on study if you have experience in the Windows driver before. The features of high price performance and real-time of the RTX driver will present more comprehensive application fields of the PISO-CAN series CAN cards.

Features

- Support interrupt function if the PISO-CAN series CAN card can get the independent IRQ
- Direct I/O control and highly real-time feature
- Support Windows2000 SP4, and Windows XP SP2 OS
- Support RTX version 8.0 or late
- Provide VC 6.0 demos

Real-time Test

- Platform: Windows XP SP2+PISO-CAN200E
- Device: I-7186EXD-CAN with MiniOS7 (single tasking OS)
- Send and receive 10000 CAN 2.0B 8-byte messages. Repeat this procedure for 10 times

RTX Driver
Min.:4790.3316 ms
Max.:4791.0275 ms
Avg.:4790.7767 ms

Windows Driver
Min.:5550.9900 ms
Max.:5559.7160 ms
Avg.:5555.6071 ms

Cost Time (ms)

Hardwares Support

Model	Description
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

CAN Series