

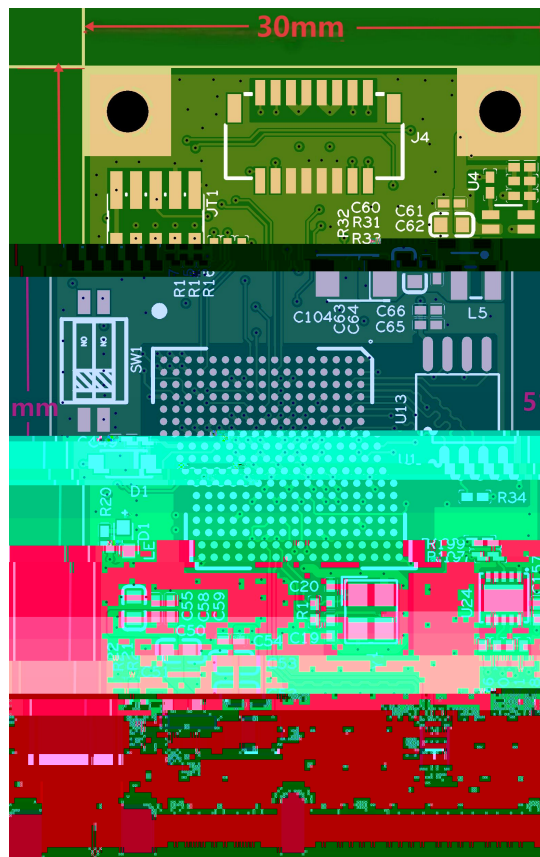
# User Manual










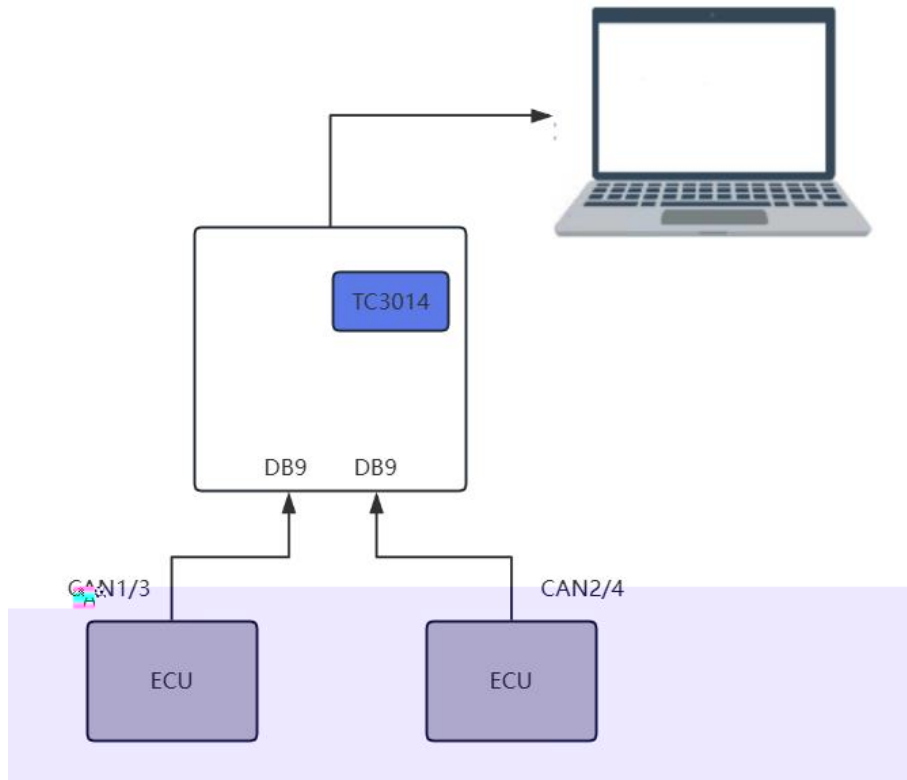




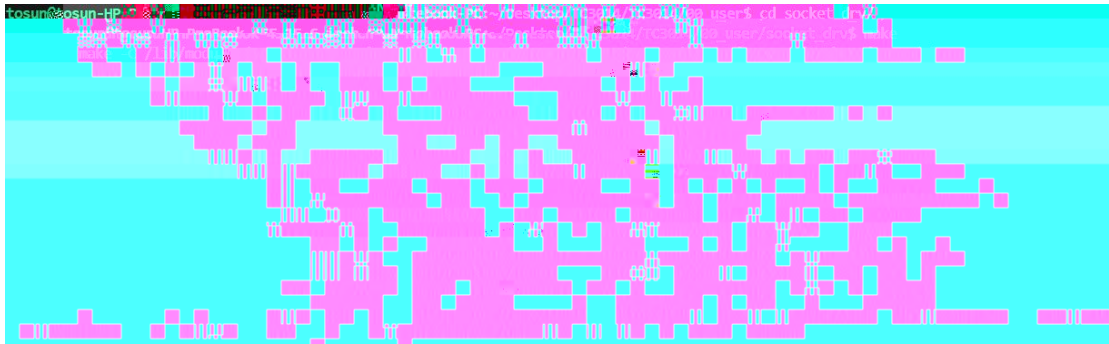
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```
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/TC3014/TC3014/00_user$ ls
socket_can.c  socket_drv  TC3014产品手册v1.0.docx  tosun_socket_can使用说明.docx
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/TC3014/TC3014/00_user$
```



```
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/tosun_socket_can_realse/tosun_socket_can/socket_drv$ make install
make: Warning: File 'Makefile' has modification time 26270 s in the future
-e Installing kernel module...
[sudo] password for tosun:
-e Installed. Load with: sudo modprobe tosun_socket_can
make: warning: Clock skew detected. Your build may be incomplete.
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/tosun_socket_can_realse/tosun_socket_can/socket_drv$
```

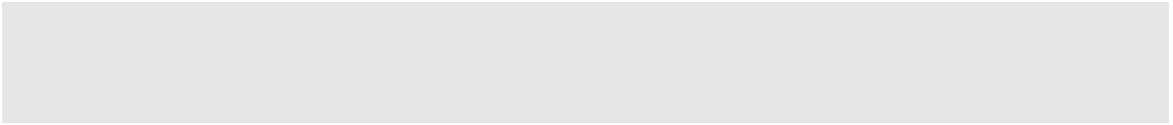
```
8728.817753 rk628 4.0050: rk628 display work: hdmirx detect status:0x1
8728.826526 usb 5-1: new high-speed USB device number 4 using xhci-hcd
8728.967395 usb 5-1: New USB device found, idVendor=5453, idProduct=1000, bcdDevice= 0.02
8728.967402 usb 5-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3
8728.967405 usb 5-1: Product: TOSUN HS CANFD4.SOCKETCAN
8728.967408 usb 5-1: Manufacturer: TOSUN
8728.967411 usb 5-1: SerialNumber: 2024051701
8728.972343 tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.972660 tosun_socket_can 0003:5453:1000.0003 can2: device can2 registered
8728.972675 tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.972906 tosun_socket_can 0003:5453:1000.0003 can3: device can3 registered
8728.972920 tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.973127 tosun_socket_can 0003:5453:1000.0003 can4: device can4 registered
8728.973139 tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.973377 tosun_socket_can 0003:5453:1000.0003 can5: device can5 registered
8728.973383 tosun_usb tosun_usb probe start
8728.977063 tosun_socket_can 0003:5453:1000.0003: hiddev96,hidraw0: USB HID v1.11 Device [TOSUN TOSUN HS CANFD4.SOCKETCAN] on usb-x
cd.10.auto-1/input0
```

```
root@kylin:/home/kylin/user/app# ip link show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: can0: <NOARP,ECHO> mtu 16 qdisc noop state DOWN mode DEFAULT group default qlen 10
    link/can
3: can1: <NOARP,ECHO> mtu 16 qdisc noop state DOWN mode DEFAULT group default qlen 10
    link/can
4: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP mode DEFAULT group default qlen 1000
    link/ether a4:11:63:22:1b:53 brd ff:ff:ff:ff:ff:ff
5: eth1: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc mq state DOWN mode DEFAULT group default qlen 1000
    link/ether a4:11:63:22:1b:52 brd ff:ff:ff:ff:ff:ff
30: can2: <NOARP,UP,LOWER_UP,ECHO> mtu 16 qdisc pfifo_fast state UP mode DEFAULT group default qlen 10
    link/can
31: can3: <NOARP,UP,LOWER_UP,ECHO> mtu 16 qdisc pfifo_fast state UP mode DEFAULT group default qlen 10
    link/can
32: can4: <NOARP,ECHO> mtu 16 qdisc noop state DOWN mode DEFAULT group default qlen 10
    link/can
33: can5: <NOARP,ECHO> mtu 16 qdisc noop state DOWN mode DEFAULT group default qlen 10
    link/can
```









**Software**

**Hardware**

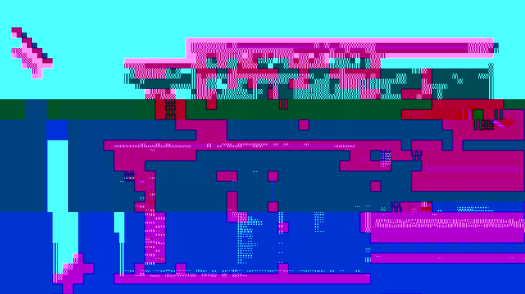
Embedded code generator - Application builder

Embedded telecopy, logging and bus replay

Temperature programming, automatic calibration

AI neural network software

Real time debugging / traceability / data collection



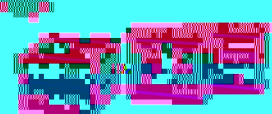
Micro-channel and multi-channel I/O devices

Multichannel DAQ and MFCs for PC and embedded

Multichannel real-time data acquisition and control

Accurate channel resolution and timing (100ns)

Multi-channel DAC, ADC, and A/D technology



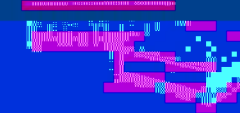
AI hardware

Real-time processing

Delay and fault injection boards

Resistor for sensor simulation

Highly accurate A/D boards and DACs



**Simulation**



Real-time simulation of control systems

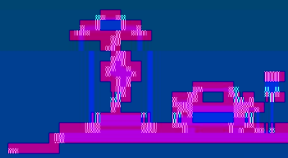
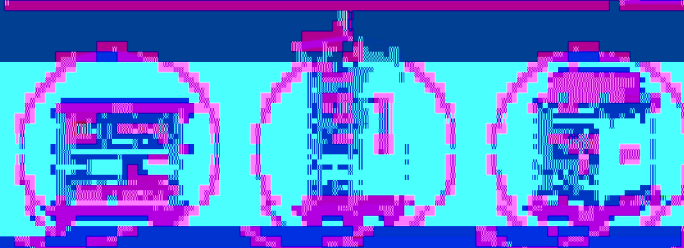
Real-time simulation of digital control systems

**Other products**

High speed digital logic analyzers for real-time data acquisition  
 High speed digital logic analyzers for real-time data acquisition  
 High speed digital logic analyzers for real-time data acquisition  
 High speed digital logic analyzers for real-time data acquisition

**Solutions**

- Embedded code generator
- Embedded telecopy, logging and bus replay
- Temperature programming
- AI neural network software
- Real time debugging / traceability / data collection
- Real-time simulation of control systems
- Real-time simulation of digital control systems
- High speed digital logic analyzers
- High speed digital logic analyzers
- High speed digital logic analyzers
- High speed digital logic analyzers



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