

# Linux driver installation guide for PCI multiport

## 1. Copy of the driver

[\* The version information of file name is different with the bellowing images.]

```
[~/tmp] ls
sysbas_mpdru.v10.sh
[~/tmp]
```

## 2. Execution of the driver

```
[~/tmp] ./sysbas_mpdru.v10.sh

=====
SystemBase Multiport PCI/PCIE Board Installation
Version : 4.0   revision: 2009-12-15
contact: tech@sysbas.com
=====

1 board(s) installed
Board No.1 : Multi-4 PCIE (rev 10)
/dev/ttyMP0 (RS232 , 16C105X)
/dev/ttyMP1 (RS232 , 16C105X)
/dev/ttyMP2 (RS232 , 16C105X)
/dev/ttyMP3 (RS232 , 16C105X)
[~/tmp] ls
sysbas_mpdru.v10.sh sysbas_multiport
```

## 3. Execution of Port test program “sb\_test” after Loopback connection ((\* File Location : sysbas\_multiport/))

```
[~/tmp] cd sysbas_multiport/
[~/tmp/sysbas_multiport] ls
Makefile Uninstall sb_test.c
[~/tmp/sysbas_multiport] make
gcc -c -o sb_test.o sb_test.c
rm -f sb_test
gcc -o sb_test sb_test.o
[~/tmp/sysbas_multiport] ls
Makefile Uninstall sb_test sb_test.c sb_test.o
[~/tmp/sysbas_multiport] ./sb_test
Usage: ./sb_test [Port Name] [Baudrate] [TestMode]
Port Name : /dev/ttyMP0 ~ /dev/ttyMP32
Baudrate : 9600, 19200, ...
TestMode : 0(Loopback) 1(Send) 2(Recv)
```

```
[~/tmp/sysbas_multiport] ./sb_test /dev/ttyMP0 9600 0
Loopback Test Mode ?
a
ab
abc
abcd
abcde
abcdef
abcdefg
abcdefgh
abcdefghi
abcdefghij
abcdefghijk
abcdefghijkl
abcdefghijklm
abcdefghijklmn
abcdefghijklmno
abcdefghijklmnop
abcdefghijklmnopq
abcdefghijklmnopqr
abcdefghijklmnopqrs
abcdefghijklmnopqrst
abcdefghijklmnopqrstu
abcdefghijklmnopqrstuv
```

\* Removal of the driver

```
[~/tmp/sysbas_multiport] ./Uninstall █

Remove Multiports PCI/PCIe Driver...!!
remove device(/dev).....done
modify /etc/rc.d/rc.local.....done
[~/tmp/sysbas_multiport] █
```