

tms380tr.txt

Text file for the Linux SysKonnnect Token Ring ISA/PCI Adapter Driver.

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The Linux SysKonnnect Token Ring driver works with the SysKonnnect TR4/16(+) ISA, SysKonnnect TR4/16(+) PCI, SysKonnnect TR4/16 PCI, and older revisions of the SK NET TR4/16 ISA card.

Latest information on this driver can be obtained on the Linux-SNA WWW site. Please point your browser to:
<http://www.linux-sna.org>

Many thanks to Christoph Goos for his excellent work on this driver and SysKonnnect for donating the adapters to Linux-SNA for the testing and maintenance of this device driver.

Important information to be noted:

1. Adapters can be slow to open (~20 secs) and close (~5 secs), please be patient.
2. This driver works very well when autoprobing for adapters. Why even think about those nasty io/int/dma settings of modprobe when the driver will do it all for you!

This driver is rather simple to use. Select Y to Token Ring adapter support in the kernel configuration. A choice for SysKonnnect Token Ring adapters will appear. This driver supports all SysKonnnect ISA and PCI adapters. Choose this option. I personally recommend compiling the driver as a module (M), but if you would like to compile it statically answer Y instead.

This driver supports multiple adapters without the need to load multiple copies of the driver. You should be able to load up to 7 adapters without any kernel modifications, if you are in need of more please contact the maintainer of this driver.

Load the driver either by lilo/loadlin or as a module. When a module using the following command will suffice for most:

```
# modprobe sktr
```

This will produce output similar to the following: (Output is user specific)

```
sktr.c: v1.01 08/29/97 by Christoph Goos
tr0: SK NET TR 4/16 PCI found at 0x6100, using IRQ 17.
tr1: SK NET TR 4/16 PCI found at 0x6200, using IRQ 16.
tr2: SK NET TR 4/16 ISA found at 0xa20, using IRQ 10 and DMA 5.
```

Now just setup the device via ifconfig and set and routes you may have. After this you are ready to start sending some tokens.

Errata:

For anyone wondering where to pick up the SysKonnnect adapters please browse to <http://www.syskonnnect.com>

This driver is under the GNU General Public License. Its Firmware image is included as an initialized C-array and is licensed by SysKonnnect to the Linux users of this driver. However no warranty about its fitness is expressed or implied by SysKonnnect.

Below find attached the setting for the SK NET TR 4/16 ISA adapters

 *** C O N T E N T S ***

- 1) Location of DIP-Switch W1
- 2) Default settings
- 3) DIP-Switch W1 description

CHAPTER 1 LOCATION OF DIP-SWITCH

```

UAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA;
bUAAAAAAAA;                                UAAAA;                                UAA;                                b
bAAAAAAAAU                                W1 AAAAAU                                UAA; b b                                b
bUAAAAAAAA;                                b b b                                UAA;
bAAAAAAAAU                                UAAAAAAAA;                                AAAAU b b
bUAAAAAAAA;                                b b                                UAA; AAAU                                b
bAAAAAAAAU                                b TMS380C26 b                                b b
bUAAAAAAAA;                                b b                                AAAU                                b
bAAAAAAAAU                                b b                                b b
b b                                AAAAAAAAAAU                                b b
b b                                b b                                b b
b b                                b b                                b b
b b                                b b                                b b
b b                                b b                                b b
b b                                b b                                b b
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAU
AAAAAAAAAAAAAAAAAAAAAU AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAU
  
```

CHAPTER 2 DEFAULT SETTINGS

W1	1	2	3	4	5	6	7	8
ON	X							
OFF		X	X	X	X	X	X	X

W1.1 = ON Adapter drives address lines SA17..19
 W1.2 - 1.5 = OFF BootROM disabled
 W1.6 - 1.8 = OFF I/O address 0A20h

CHAPTER 3 DIP SWITCH W1 DESCRIPTION

UAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA; ON
 b 1 b 2 b 3 b 4 b 5 b 6 b 7 b 8 b
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tms380tr.txt												
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAUU OFF												
AD		BootROM Addr.		I/O								
+-----+												
						+-----		6	7	8		
								ON	ON	ON	1900h	
								ON	ON	OFF	0900h	
								ON	OFF	ON	1980h	
								ON	OFF	OFF	0980h	
								OFF	ON	ON	1b20h	
								OFF	ON	OFF	0b20h	
								OFF	OFF	ON	1a20h	
								OFF	OFF	OFF	0a20h (+)	
						+-----		2	3	4	5	
								OFF	x	x	x	disabled (+)
								ON	ON	ON	ON	C0000
								ON	ON	ON	OFF	C4000
								ON	ON	OFF	ON	C8000
								ON	ON	OFF	OFF	CC000
								ON	OFF	ON	ON	D0000
								ON	OFF	ON	OFF	D4000
								ON	OFF	OFF	ON	D8000
								ON	OFF	OFF	OFF	DC000
						+-----		1				
								OFF	adapter does NOT drive SA<17..19>			
								ON	adapter drives SA<17..19> (+)			

(+) means default setting
