

# octoBRI PCI ISDN

## Configuration Overview

Figure 1:

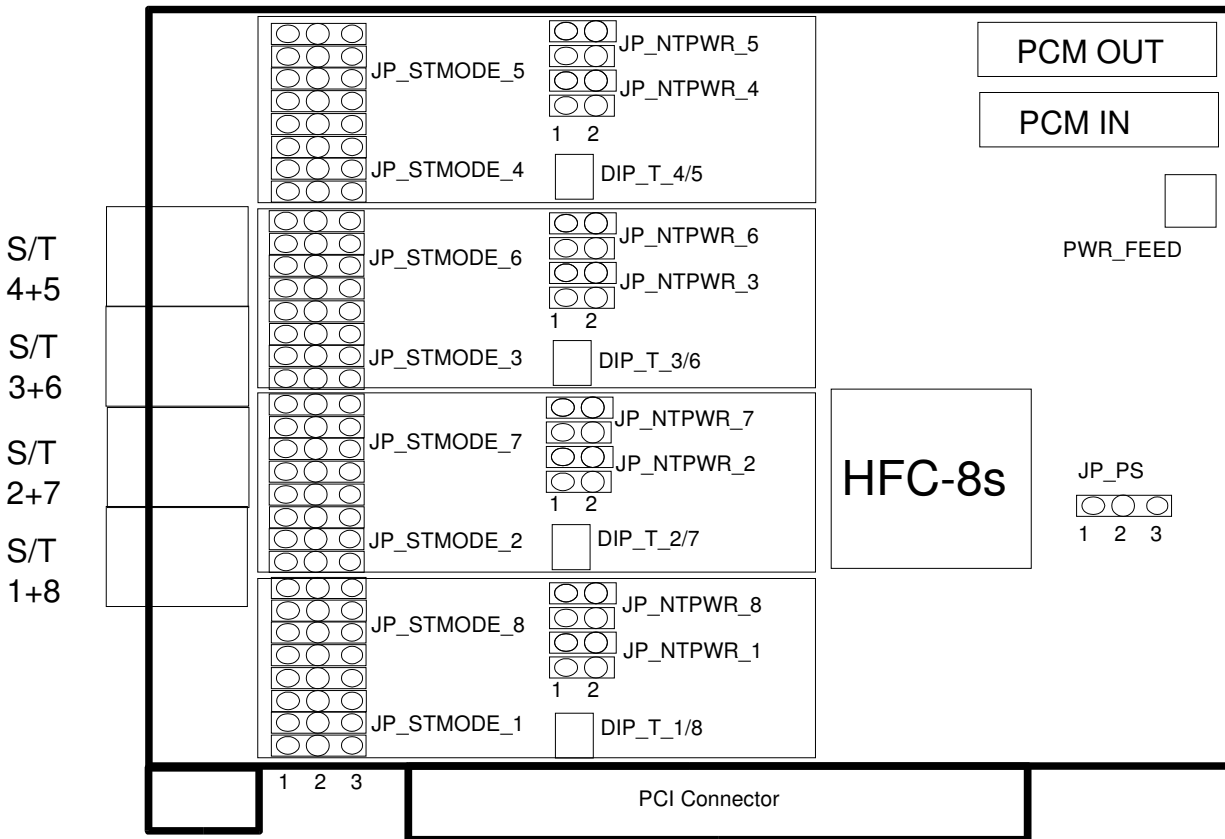


Table 1:

Jumper Settings	
JP_PS	Position 1-2 uses 3.3 Volts from the PCI bus (only available in 3.3 V PCI slots) Position 2-3 generates 3.3 Volts out of the 5 Volts from the PCI bus (factory default)
JP_STMODE_X	Position 1-2 (on all 4 jumpers) configures the S/T port for NT mode Position 2-3 (on all 4 jumpers) configures the S/T port for TE mode (factory default)
JP_NTPWR_X	If both jumpers are closed power feeding in NT mode will be enabled when the optional power feeding module is connected to PWR_FEED (disabled by default)
DIP_T_X/Y	DIPs 1 and 2 set to ON will enable 100 Ohm termination on S/T Y (enabled by default) DIPs 3 and 4 set to ON will enable 100 Ohm termination on S/T X (enabled by default)
PWR_FEED	connector for the optional power feeding module to power the S0 bus in NT mode

# **octoBRI PCI ISDN**

## **assignment of the S/T interfaces on the RJ45**

Figure 2: Front view of the card (bracket with RJ45)



Table 2:

Pin assignments	
S/T 1+8	Pins 3,4,5,6 S/T port 1 (regular S0 pinout) Pins 1,2,7,8 S/T port 8 (1 -> 3, 2 -> 4, 7 -> 5, 8 -> 6 for S0 pinout)
S/T 2+7	Pins 3,4,5,6 S/T port 2 (regular S0 pinout) Pins 1,2,7,8 S/T port 7 (1 -> 3, 2 -> 4, 7 -> 5, 8 -> 6 for S0 pinout)
S/T 3+6	Pins 3,4,5,6 S/T port 3 (regular S0 pinout) Pins 1,2,7,8 S/T port 6 (1 -> 3, 2 -> 4, 7 -> 5, 8 -> 6 for S0 pinout)
S/T 4+5	Pins 3,4,5,6 S/T port 4 (regular S0 pinout) Pins 1,2,7,8 S/T port 5 (1 -> 3, 2 -> 4, 7 -> 5, 8 -> 6 for S0 pinout)

**Note 2:**

The **octoBRI PCI ISDN** is a high density ISDN BRI card with 8 S/T interfaces. To achieve this high port density we had to put two S/T interfaces on a single RJ45 interface. That is why you will need some structured cabling to make use of all 8 ports.

The first four S/T interfaces (S/T 1,2,3,4) are accessible with a standard ISDN BRI cable (4 wires, the inner 4 pins (3,4,5,6)) on the 4 RJ45. S/T interfaces 5,6,7,8 are accessible on the outer 4 pins of the RJ45 interfaces (see Figure 2, Table 2).

We recommend the use of a patch panel for a clean installation.