



Tech Info Library

ISDN: How to Connect an NT-1 (7/96)

Revised: 7/1/96
Security: Everyone

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TOPIC -----

This article describes how to connect an NT-1 (Network Terminal Adaptor) to an ISDN line.

DISCUSSION -----

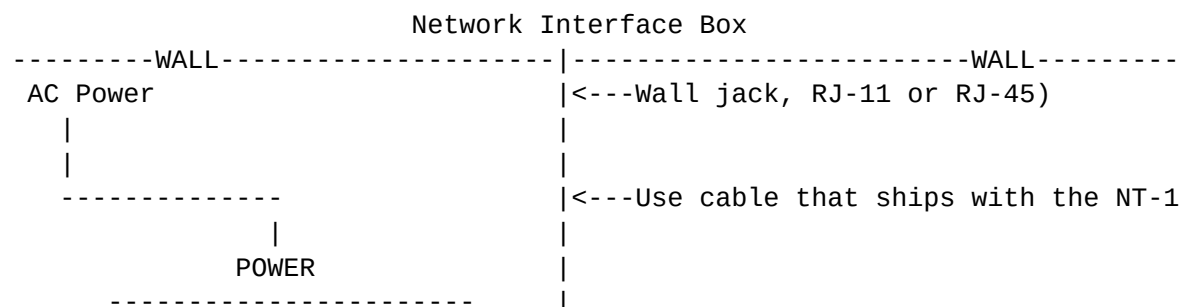
In most ISDN (Integrated Services Digital Network) installations, an NT-1 must be connected to the ISDN line to power the ISDN line from the Network Interface box to the ISDN device. Check with your telephone provider to see if one is needed.

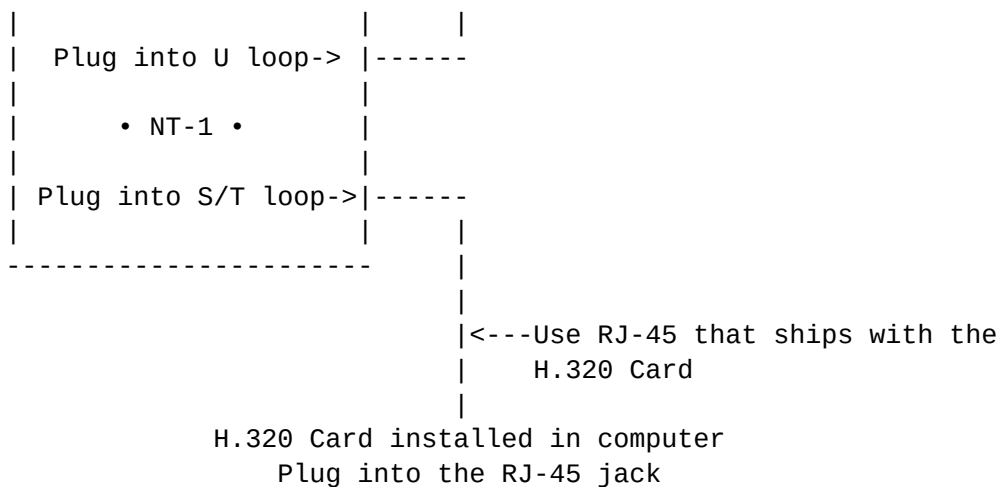
The NT-1 also has lights indicating the state of the ISDN line. Typically, an NT-1 will have Power, U Loop Back, and S/T&U lights.

Also because an ISDN line needs power and would be unusable in the event of a power outage, a user might want to consider connecting the NT-1 to an UPS (Uninterruptable Power Supply).

Below is a diagram showing how to connect an NT-1. An NT-1 may have multiple S/T ports, it does not make a difference which port you use.

Begin_Graphic





End_Graphic

Pin Assignments

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Begin_Table

S/T Connector Pin Assignments			
Pin	Function	Pin	Function
1	-----	2	-----
3	RX+	4	TX+
5	RX-	6	TX-
7	-40 VDC	8	GND

U-Line Connector Pin Assignments			
Pin	Function	Pin	Function
1	-----	2	-----
3	-----	4	Tip
5	Ring	6	-----
7	-----	8	-----

Power Connector Pin Assignments			
Pin	Function	Pin	Function
1	+7.5 VDC	2	-40 VDC
3	GND for +7.5	4	GND for -40

DIP Switch Settings on Alpha Telecom UT620 NT-1 Device

DIP Switch Assignments			
Switch	Function	ON	OFF
1, 2	S/T-Termination	Yes	No
3	Bus Timing Mode	Short Passive bus	Point-to-point, or extended passive bus
4	PS2 Selection	SP62020 switching power supply	AD62010 AC/DC power adapter

End_Table

Article Change History:

01 Jul 1996 - Added pin assignments for cables.

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