

Technical Support

TR1034 - White Paper #1778

Ordering T1-PRI (Primary Rate ISDN) Service for Brooktrout TR1000/TR1034 Board

When you order PRI-T1 service from the telephone company, give its representative the following information:

Product Manufacturer:	Brooktrout Technology
Product Name:	Brooktrout TR1000/TR1034+PxH-T1 card (where 'x' denotes the number of channels active on the card, ie: 4, 8, 16, 24)
Signal Protocol (aka trunk type):	Common Channel Switching
Frame Mode:	Extended Super Frame
Line Coding:	B8ZS
Clock Master:	The switching device providing the PRI line to the Brooktrout TR1000/TR1034 card must act as NETWORK / Clock Master, or pass master clock signal seamlessly from PSTN. The Brooktrout TR1000/TR1034 card(s) must act as TERMINAL end / User Side.
Number of Channels:	24 (23 "B" channels plus one "D" channel, commonly written "23B+D")
B Channel Provisioning:	Circuit-Switched Voice & Data
B Channel Service:	Voice; as fax is considered voice, the line would be configured as though voice calls were being placed over it.
D Channel Service:	Signaling only with the D-channel on channel 24 of the T1-PRI line.
Packet Handlers:	<i>No</i> packet handlers other than the D-channel.
Channel Service:	64Kbps clear channel service end-to-end for every call.
Compatible Switch Types:	Your telco provider needs to communicate what type of switch is providing the PRI line to the Netaccess PRI board; supported switch types are located in the section titled <i>BTNA.CFG Parameter Values</i> in the ECC Manual, available here . Please ensure which version of the ECC software you're using, so you may consult the right manual.
Compatible Variant Types:	Your telco provider needs to communicate what type of program variant is programmed on the PRI line ; supported variant types are located in the section titled <i>BTNA.CFG Parameter Values</i> in the ECC Manual, available here . Please ensure which version of the

	ECC software you're using, so you may consult the right manual. If your telco representative has questions about what "variant" means, you may consult this FAQ .
Called Party Number:	This is what the ISDN world calls 'DID' or 'DNIS'. Normally the last 4 digits of the number dialed; required for inbound routing. Please confirm with your telco service provider the number of CPN digits they will be providing to you on inbound calls.

SPECIAL NOTE: If the total number of digital channels on the Brooktrout TR1000/TR1034 board(s) will not allow for all 23 B-channels to be utilized (for instance, if you are using a TR1000/TR1034+P4, 8, or 16H-T1 card, where 'x' denotes number of activated channels on the board), you will need to communicate to your telco provider which B-channels you'll be using. That way, your telco won't direct traffic down B-channels which aren't mapped to any existing TR1000/TR1034 channels.

This is typically called a *partial PRI line* .