4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:
DGM&S Inc. 1025 Briggs Road Mt. Laurel, NJ 08054 (609) 866 - 1212	Multi-Protocol Adapter DSP (MPAD)	Full featured ISA or VMS Bus Platform for support of ISDN PRI and SS7 interface applications.
NI-1 Date: Now NI-2 Date: 12/93	Price: $2,395 (Single Quantities)	Ports: Full T1 - Handles up to six B channels; additional B channels can be added
Voice Interfaces: Through T1	Data Interfaces: V.35, T1	Split and combine B channels? B channel can be switched to ON-Board or OFF-Board destinations Bonding? Not available but can be supported on-board ISDN Interface: T1 Power: From Host PC/Workstation

Additional Features:

The MPAD is a multi-purpose platform that can be used for variety of ISDN or SS7 applications. It is intended to be utilized as a development platform for prototype or target platform development. The high powered Texas Instruments C30 Digital Signal Processor provides power for data manipulation including inverse multiplexing, compression or other multimedia features and functions.

Software/Operating Systems:

Runs under DGM&S QRux Operating System (Provided with DGM&S QSource PRI Software) or with any typical embedded OS including pSOS and VRTX.

QSource (TM) is a trademark of DGM&S, Inc.

4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:	
Gandalf Systems Corp. Cherry Hill Industrial Ctr. Building 9 Cherry Hill, NJ 08003 609-424-9400	Access SDX	PRI channel bank and gateway for data applications	
NI-1 Date: Now NI-2 Date: June 94	Price: Base Unit with one PRI $12,000	Ports	Up to 6, PRI
Voice Interfaces:	Data Interfaces: R5-232 V.35 V.11 RS-422/3 Ethernet	Split and combine B channels?	Yes, up to 30
		Bonding?	No, prop.
		ISDN Interface:	PRI, ESF-DS1
		Power:	External

Additional Features:

- Dial on control lead, permanent calls, & interactive call setup
- N x 64 Kbps support to 1920 Kbps
- Telnet configuration and call control using LAN interface
- B channel packet support

Software/Operating Systems:

4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:
ISCOM, Inc. 6103 Baltimore Avenue, 205 Riverdale, MD 20737 Phone/FAX: (301) 779 - 1368	Datavoice S2 PC Card	ISDN S2 card (Primary rate 30 B+D or 23 B+D for T1 network) offering B and D channels management at n x 64 Kbps.
NI-1 Date: Now NI-2 Date: 1994	Price:	Ports T1, S2
Voice Interfaces: None	Data Interfaces: ISA Bus	Split and combine B channels? n x 64, 23B+D Bonding? No ISDN Interface: S/T Power: Bus

Additional Features:

Supports 6, 9, 10 NIPGs

Software/Operating Systems:

4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:
Mitel Corporation Communicating Objects P.O. Box 13089 360 Legget Drive Kanata, Ontario, Canada K2K 1X3 (613) 592-2122 FAX: (613) 592-4784	Enhanced Dual T1/E1 Card (MB89112/122)	48 channel (T1) or 60 channel (E1) Primary Rate PC Plug in Card. Has on-board processor for signalling. MVIP compatible. Facility Data Line handled via HDLC Devices.
NI-1 Date: NI-2 Date:	Price:	Ports 2 T1 or 2 E1 ports 48/60 channels
Voice Interfaces: Analog Handler Interface	Data Interfaces: HDLC devices for packed mode data PC Bus and MVIP Bus for circuit switched data	Split and combine B channels? Bonding? ISDN Interface: T1 or E1 Power: From PC

Additional Features:

Combines either the 71 1.544 17 bps interfaces or two 2.048 Mbps interfaces (MB89122) or a PC compatible plug in card. An on-board processor handles ISDN layer two and three signalling protocols. The card includes a 512 channel Enhanced Compliant MVIP switch matrix to provide time switching within the card as well as for the 256 channel MVIP Bus.

Software/Operating Systems:

4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:
Mitel Corporation Communicating Objects P.O. Box 13089 360 Legget Drive Kanata, Ontario, Canada K2K 1X3 (613) 592-2122 FAX: (613) 592-4784	Single T1/E1 Card (MB89111/121)	24 channel (T1) or 30 channel (E1) Primary Rate PC plug-in card for bridges, routers, X.25 gateways, inverse Muxes, Mux/ DMuxes, Communications controllers
NI-1 Date: NI-2 Date:	Price:	Ports 1 T1 or 1 E1 port 24/48 channels
Voice Interfaces: Analog Handset Interface	Data Interfaces: HDLC Resources PC Bus MVIP Bus	Split and combine B channels? Bonding? ISDN Interface: T1 or E1 Power: From PC

Additional Features:

The MB provides a Primary Rate Compatible communications interface for PC-based equipment containing either a T1 1.544 Mbps interface (MB89111) or an E1 2.048 Mbps Interface (MB89121). An on-board 9LL ensures compliance to assume 1.5 specifications. The card contains a digital switching matrix for connection to an MVIP Bus and for local switching.

Software/Operating Systems:

4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:
Mitel Corporation Communicating Objects P.O. Box 13089 360 Legget Drive Kanata, Ontario, Canada K2K 1X3 (613) 592-2122 FAX: (613) 592-4784	Dual T1/E1 Card (MB89110/120)	48 channel (T1) or 60 channel (E1) Primary interface. Applications bridge, router, X.25 gateways, inverse Mux, Mux/DMux, Communication controller
NI-1 Date: NI-2 Date:	Price:	Ports 2 T1 or 2 E1 Ports 48/60 Channels
Voice Interfaces:	Data Interfaces: Four HDLC Resources PC Bus MVIP Bus	Split and combine B channels? Bonding? ISDN Interface: T1 or E1 Power: From PC

Additional Features:

The MB89110/120 provides a Primary Rate-compatible communications interface for PC-based equipment containing either two T1 1.544 Mbps interfaces (MB89110) or two E1 2.042 Mbps interfaces (MB89120).
There is also an analog handset interface to record messages or monitor traffic.
Four HDLC resources provide common channel/Facility Data Link (FDL) signalling support.
Digital PLI provides timing generation.
The card includes a 512 channel Enhanced Compliant MVIP switch matrix to provide time switching within the card as well as for the 256 channel MVIP bus. This allows the MB89110/120 to act as a central communications/switching resource in an MVIP system.

Software/Operating Systems:

4.2.8 PRI Adapters

COMPANY NAME		PRODUCT NAME	FUNCTIONS:	
Nitech, Inc. (New Information Technologies, Inc.) 4400 Route 9 South Freehold, NJ 07728 Dilip Guha (908) 303-7471		NiteOwl 2230 PC Based Adapter Card	Primary rate 30B+D or 23B+D, offering B and D Channel management at n x 64 kbps	
NI-1 Date: NI-2 Date:	Now 1994	Price:	Ports	Up to 8 PRIs
Voice Interfaces:	Yes	Data Interfaces: T1, V.35, RS-232, RS-449	Split and combine B channels?	Yes
			Bonding?	No
			ISDN Interface:	T1
			Power:	From PC

Additional Features:

- The 2230 NiteOwl is a PC-based PRI Adapter which can also monitor and simulate PRI, LAPD/X,25. Q.921/Q.920 at the T-1 interface
- It supports fractional T-1 up to 2.048 Mbps and can simulate all 24 or 32 channels simultaneously.
- B channel packet support

Software/Operating Systems:

- Microsoft Windows

4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:
Primary Rate Incorporated 5 Manor Parkway Salem, NH 03079 (603) 898 - 1800 Sales 1- 800- 950 - ISDN (4736)	PRI-48™ Dual T1/ISDN VME Controller	T1/ISDN Communications Controller with non-blocking DS0 Switching matrix
NI-1 Date: N/A NI-2 Date: 07/01/93	Price: $6250	Ports: • Two T1 Interfaces
Voice Interfaces: 23 Channels	Data Interfaces: •VME Bus •TDM Highway •Optional DS1, V.35, RS.449, DSX.1	Split and combine B channels? Yes Bonding? Yes Mode 0,1 ISDN Interface: S/T or U (dual) Power: From Bus

Additional Features:

- Direct access to T1, fractional T1, and Primary Rate
- VME slave interface to host
- Supports 24 full duplex HDLC data streams
- D and B channel packet
- V.120 Multiplexing onto channels from 64 Kbps to 1.5 Mbps
- Suited for frame relay and call relay circuits
- Also supports SW56 robbed-bit dialing modes and on-Board DS0 switching.
  Non-Facility associated signaling (NFAS)

Software/Operating Systems:

- Complete ISDN Software
- UNIX, VRTX, VXWorks, OS9, VME Exec, POS
- PRI's SMI Programming Interface

4.2.8 PRI Adapters

COMPANY NAME	PRODUCT NAME	FUNCTIONS:
Primary Rate Incorporated 5 Manor Parkway Salem, NH 03079 (603) 898 - 1800 Sales 1- 800- 950 - ISDN (4736)	PRI-ISA48 ™ Dual T1/ISDN Controller	T1/ISDN Communications Controller
NI-1 Date: N/A NI-2 Date: 07/01/93	Price: $3950	Ports: • Two T1 Interfaces
Voice Interfaces: 23 Channels	Data Interfaces: •ISA Bus •Optional DS1, V.35, RS.449, DSX.1 •TDM Highway	Split and combine B channels? Yes Bonding? Yes Mode 0,1 ISDN Interface: S/T or U (dual) Power: From Bus

Additional Features:

- Direct access to T1, fractional T1, and Primary Rate
- ISA slave interface to host
- Supports 24 full duplex HDLC data streams
- D and B channel packet
- V.120 Multiplexing onto channels from 64 Kbps to 1.5 Mbps
- Suited for frame relay and call relay circuits
- Also supports SW56 robbed-bit dialing modes and on-Board DS0 switching.
- Non-facility associated signaling (NFAS)

Software/Operating Systems:

- Complete ISDN Software
- SCO Unix, OS2, DOS
- PRI's SMI Programming Interface