

- **Access to Basic Rate ISDN**
- **Dual DTE ports**
- **BONDING compatible for speeds to 128 Kbps**
- **V.120, V.110, and T-link rate adaption**
- **Network compatible with 2- and 4-wire Switched 56 DSUs**
- **Central site and standalone models**
- **Menu-driven front panel display**
- **CMS® network management compatibility**
- **Front panel security**
- **CLID and password dial-in security**
- **Hardware, system, and network diagnostics**

Step up to ISDN Speed and Reliability with Network-Managed Excalibur® BRI 2000

ISDN Basic Rate service lets you send data, graphics, and video over reliable digital dial-up lines at speeds up to 128 Kbps. That's why this service is the ideal choice for high-speed applications that don't require a full-time connection. If you're looking for the best way to access this service, you needn't look any further than the Excalibur BRI 2000 ISDN terminal adapter.

The Excalibur BRI 2000 combines a wealth of features and sophisticated network management to make your migration to ISDN as smooth as possible. This compact, dual-port unit offers five dialing modes, two dial-in security modes, front panel security, four preset configuration profiles, remote unit control, and three-level diagnostics. And it is compatible with the CMS® 400 Racal Management System, allowing you to manage your entire network from a single PC.

Versatile Access to ISDN Services

The BRI 2000 operates at speeds up to 64 Kbps per port over NI-1, NT, and AT&T® switched services. For speeds of 112 and 128 Kbps, it combines the bandwidth of both B channels using the BONDING method of inverse multiplexing. The BRI 2000 supports V.120, V.110, and T-link rate adaption protocols, providing multinational compatibility. For those areas where ISDN is not yet available, the BRI 2000 is also compatible with 2- and 4-wire Switched 56 DSUs. The BRI 2000 connects directly to the network through its "U" interface, eliminating the need for a Network Termination (NT1) converter box.

Application Flexibility

The BRI 2000 is ideal for those applications that require higher speeds than are available with analog dial-up, but cannot justify a dedicated digital circuit. Typical applica-

tions include remote LAN access, leased line backup, high-speed file transfer, and disaster recovery. With the BRI 2000, you get the reliability of end-to-end digital communications on a "pay as you go" basis.

Central Site and Standalone Models

Designed for high-density central locations, the BRI 2000 central site model lets you install up to 16 units in one Excalibur Card Carrier. You can install the BRI 2000 in the same chassis with a variety of Racal products, including modems, DSUs, and multiplexers. The chassis master control panel provides single-point control over any installed unit.

Ideal for remote site applications, the standalone model comes in a sturdy low-profile case (just 1.5" high) that fits wherever your needs dictate.

Easy to Use

The BRI 2000 provides a 32-character menu-driven front panel display that makes monitoring, configuring, and testing quick and easy. Clear prompts guide you through each operating procedure. Four preset configuration profiles allow you to quickly customize the unit for your application. And with remote unit control, you can configure, monitor, and test a remote BRI 2000 from the local unit's front panel.

Front Panel Security

Once you've configured the unit, you needn't worry that someone will change your settings. Front panel password security prevents unauthorized users from tampering with the unit in any way.

CMS Network Management Compatibility

For comprehensive network management, testing, and control, the BRI 2000 can operate with the CMS 400. The CMS 400 provides sophisticated database management, performance analysis, fault isolation, and network restoral abilities.

CLID and Password Dial-In Security

The BRI 2000 provides two modes of dial-in security to prevent unwanted incoming calls. With Caller Line ID (CLID) security, the calling party's telephone number is transmitted during the ring cycle. The answering unit checks the received number against its stored list to either accept or decline the connection.

Password security is designed for areas where CLID is not available. With this method, the calling and answering units exchange passwords during the connection process. The units begin transmitting data only if the passwords match.

Technical Specifications

Line Requirements

Operates over 2-wire ISDN Basic Rate service, which provides two full-duplex 64 Kbps channels for customer data and one full-duplex 16 Kbps channel for control or signaling information. Can also operate in LDM applications (copper wire, 18,000 ft. max).

Network Switch Compatibility

National ISDN-1, AT&T 5ESS, NTI DMS-100

Line Rate

64 Kbps per B channel

DTE Rates

Synchronous: 1.2, 2.4, 4.8, 7.2, 9.6, 14.4, 19.2, 56, 64, 112, and 128 Kbps
 Asynchronous: 300 and 600 bps; 1.2, 2.4, 4.8, 7.2, 9.6, 14.4, 19.2, 38.4, and 57.6 Kbps

Rate Adaption

V.120 at all speeds. V.110 and T-link at 56 Kbps.

DTE Interface

Dual 26-pin mini; independently configurable for EIA RS-232 or V.35

ISDN Interface

8-position keyed RJ-45 modular jack for connecting to the 2-wire "U" reference point

CMS Interface

8-position non-keyed RJ-45 modular jack for connecting to a CMS 400 EDM

Data Format

Synchronous or asynchronous; asynchronous formatted in 6, 7, or 8 bits per character

Dialing Modes

Front panel, DTE signals, AT commands, V.25bis (synchronous only), CMS 400

Approvals

FCC Part 15 Class A, FCC Part 68, CSA, CDOC, UL approved

Diagnostics

RAM Memory, ROM Memory, AFE Interface, ELSIs LSI, IOM2, Front Panel, Self-error, Port Digital Loop, V.54 Digital Loop, Full Channels Loopback, B-Channel Loopback tests

Power Supply - Standalone

External, 98-127 VAC, 47-63 Hz

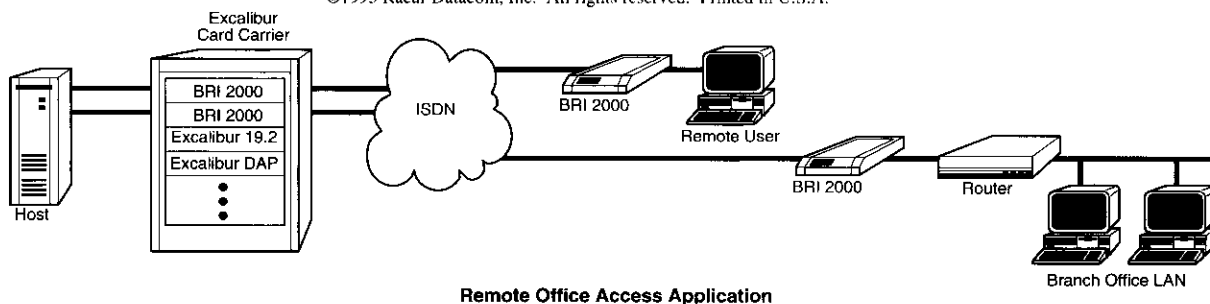
Physical Specifications

Standalone Unit		Excalibur Card Carrier	
Height	1.5" (3.81 cm)	Height	10.5" (26.67 cm)
Width	6.0" (15.24 cm)	Width	17.5" (44.45 cm)
Depth	10.25" (26.04 cm)	Depth	19.5" (49.53 cm)
Weight	1.5 lbs. (0.68 kg)	Weight	70 lbs. (31.5 kg) fully loaded

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