

## **Appendix A Specifications**

### **ISDN Line Type**

ISDN Basic Rate Interface, ANSI T1.601 compliant, "U" reference point

### **Connection Types**

Circuit-switched (dial-up)

### **DTE Data Rates**

300, 1200, 2400, 4800, 9600, 19.2k, 38.4k, 48k, 56k, 57.6k, 64k, 112k, 115.2k, 128k

### **DCE Data Rates**

B-channel: 56 kbps or 64 kbps  
D-channel: 16 kbps

### **Data Rate Adaption Protocols**

Clear Channel  
V.120  
Point-to-Point Protocol, single-link and multi-link  
Asynchronous Inverse Multiplexing (AIMux)  
BONDING

### **DTE Available Interfaces**

EIA-232E (V.24)

### **Switch Compatibility**

*Northern Telecom DMS100* - Central office switch running software version BCS-29, BCS-30, BCS-31, BCS-32, or BCS-33

Layer 1 (physical): Conforms to ANSI T1.601

Layer 2 (Link): Conforms to Northern Telecom specification NIS 208-4, Issue 1.1 section C, based on CCITT Recommendation Q.921

Layer 3 (Signaling): For BCS-29 and BCS-30, conforms to NIS 208-4, Issue 1.1, sections D-H. For BCS-31, -32, and -33 conforms to

## *Specifications*

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NIS 208-5, Issue 1.1 Section D-H. These are based on CCITT Recommendation Q.931.

*AT&T 5ESS* - Central office switch running generic program 5E4.2, or above for type A terminal

Layer 1 (physical): Conforms to ANSI T1.601

Layer 2 (Link): Conforms to AT&T specification 5D5-900-311, December 1987, Part III, based on CCITT Recommendation Q.921

Layer 3 (Signaling): For 5E4.2, conforms to 5D5-900-301, Issue 1.04, September 1987, Parts IV - VI. For 5E5, conforms to 5D5-900-311, Issue 1.00, December 1987, Parts IV - VII. For 5E6 and 5E7, conforms to 5D5-900-321, Issue 1.02, September 1990, Parts IV - VII. These are based on CCITT Recommendation Q.931. For 5E8, conforms to National ISDN-1.

*US National ISDN-1* - Central office switches, as described in Bellcore Special Report SR-NWT-001953, Issue 1, June 1991, and Revision 1, December 1991

### **Flexible Calling**

Caller ID Delivery and Security, Call Waiting, Conference Calling, and Message Waiting. The BitSURFR Pro does not support Electronic Key Telephone Service (EKTS) except on PacBell DMS 100 NI-1 switches.

### **Dimensions**

Width: 6.25 inches

Height: 1.25 inches

Depth: 5.25 inches

### **Environmental**

0° to +40° Celsius

95% relative humidity, noncondensing

### **Power Requirements**

115 Vac, 60 Hz

### **Power Consumption**

3 watts nominal