

ATM and WAN Interface Specifications (continued)

High-Speed V-Series J5457A

General

V.35, RS-449 and X.25 interface support up to 8.192 Mb/s.

Detail

Bit rates:

Sync or Sync NRZI, 2.4 kb/s to 8.192 Mb/s on V.35, RS-449 and X.21

Applications:

Frame Relay

X.25

PPP

HDLC

SDLC

BERT

Transmission of bit error ratio (BER) patterns in the physical layer frame payload.

Transmission of 4000 byte BER user pattern in WAN

Note: The J5457A interface supports all the applications of Frame Relay (Vital Signs, Decode, LMI Expert, etc.) with the exception of Simulation and SLIP measurements. Traffic Generation and PING Generation are available.

DDS 4-wire J2908A

General

This interface comprises a plug-in module (J2908A) suitable for plugging into the J2300C/D/E Agilent Advisor mainframe or J2900A High Speed undercradle. This WAN module can be used with T1 Digital Data Systems (DDS) circuits to monitor and decode the data traffic of individual DDS substrate users. The module is only available in the United States of America

Input

Connectors:

RJ48s

Demultiplexed access:

Timeslots 1-24 on T1 lines using D4 or ESF framing

Timeslots 1-23 on DDS lines using T1 DM framing

Rates:

DS0A, single user:

2.4, 4.8, 9.6, 19.2, 38.4, and 56 kb/s (error corrected 19.2 kb/s not supported)

DS0B:

2.4, 4.8 and 9.6 kb/s in 20, 10 and 5 user positions respectively 19.2, 28.8 and 38.4 kb/s multiplexed intermediate rates in any adjacent combination of five 9.6 kb/s channels.

Standards:

ANSI T1.107 – 1988, Digital Hierarchy Synchronous Digital Data Format

ANSI T1.107b – 1991 Supplement to ANSI T1.107

AT&T TR 54075 Subrate Data Multiplexing for Digital Data Systems

CB-INC-101 Compatibility Bulletin, Integrated Network Corporation, 38.4 kb/s DDS Equipment, June 1988

ATM and WAN Interface Specifications (continued)

ISDN Basic Rate Interface (BRI) S/T/U J2905B

General

This interface J2905B is suitable for plugging into a J2300C/D/E Agilent Advisor mainframe or J2900A High Speed undercradle. The J2905B can handle the S, T and U interfaces.

Common to Inputs and Outputs

Connectors:

RJ-45

RJ-11 handset jack

Voice coding supported:

a-law and μ -law

Standards:

BRI S/T: ITU-T I.430, ETSI ETS 300 012, ANSI T1.605

BRI U: 2B1Q ANSI T1.601 – 1992, ETSI ETR 80, ITU-T G.960/961

Data Rates:

D channel: 16 kb/s

B1 channel: 56 or 64 kb/s

B2 channel: 56 or 64 kb/s

B1+B2 channels: 112 or 128 kb/s