BLACK BOX®
NETWORK SERVICES

Express 6530

Key Features

▶ E1 and V.35/X.21, or combinations of interfaces over a SHDSL loop

▶ Access to either a V.35 or X.21 DTE connector

▶ Data rate: Nx64 operation from 64 kbps to 2.314 Mbps (N=1 to 36)

▶ Local and remote loopback capability

▶ Extensive built-in performance monitoring capabilities

▶ Built in 2^{15} -1 bit error test function

▶ V.54 loopback for end-to-end testing

▶ Auto switching power supply from 90VAC to 240VAC. Also –48 VDC input

▶ Operates with Total Access SHDSL LTUs and in back-to-back campus environments

The ADTRAN® Express 6530 is an easy-to-use SHDSL network termination unit. The equipment provides an interface between SHDSL and the user's Data Terminal Equipment (DTE), and is an ideal solution for applications such as LAN to LAN bridging, Frame Relay circuit termination, and PBX termination. The Express 6530 can be deployed in two system configurations:

1) as a remote unit to the ADTRAN Total Access® 3000 multiservice access platform
2) in pairs in a point-to-point limited-distance campus configuration

Housed in a compact, durable plastic housing, the Express 6530 supports data rates from 64 kbps to 2.316 Mbps. The rear panel provides access to either a V.35 or X.21 interface for a single digital connector to the end user's DTE equipment and RJ 48 for E1 termination. The Express 6530 contains a built-in timeslot interchange to share timeslots between the digital and E1 connections.

Configuration, testing, and performance monitoring is accomplished with a user-friendly front-panel interface. The front-panel interface can also be used to

invoke local and remote loopbacks. The Express 6530 also supports configuration and performance monitoring through a rear-panel control port using VT 100 terminal emulation.

Specifications

Network Interface —
- Line Rate: SHDSL per ITU G.991.2

Line Interface —
- SHDSL (2-wire): RJ48 jack
- Loop rates: 192Kbps to 2.304Mbps Nx64Kbps (N=3 to 36)

Framing —
- G.703, CCS
- CRC 4 enable / disable
- Unframed

Line Code —
- TC-PAM

DSL Timing —
- Network
- Internal
- DTE

DTE Interface (digital) —

- Bit Rate: 64 kbps to 2.316Mbps Nx64Kbps (N=1 to 36)
- CCITT V.35 (M34F Connector)
- CCITT X21 (DB15F Connector)

DTE Interface (E1) —
- RJ-48

**Performance Monitor/
Performance Data —**
- BPVs/CRCs, ES, SES, UAS, Alarms, Errors

Tests —
- Local Loopback
- Remote Loopback
- V.54 Loopback
- Built in 2^{15} -1 bit error rate tester

Agency Approvals —
- K.20, K.21

- CISPER 22
- IEC 950
- CE Mark
- EN 300 386-2

Environment
Operating — 0 to 50°C
Storage — −20 to 70°C
Relative Humidity — Up to 95%, non-condensing

Physical
Dimensions — HxWxD 38.1 mm x 228.6 mm x 158.75 mm
Weight — 2 lbs
Power — 90-240V, 50-60Hz, 5W
−48VDC

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▼ *Ordering information*

ITEM	CODE
Express 6530 with Euro-Cable	.MDS-6530