

G.703 and Nx64k Two-Pair Fixed-Rate HDSL



WorldDSL is ADC's line of high-speed HDSL access devices specifically designed for the diverse telecommunications needs of global markets. Ideal for telco and enterprise networks, WorldDSL products comply with international standards to ensure compatibility, performance and safety within your network environment.

WorldDSL ETU-8xx products are software-selectable as a communications master or communications slave, ideal for deploying point-to-point circuits. ETUs also operate at the customer premise and support connections with any LTU/UTU-80x used in the CO. The ETUs are part of a fully managed system, interfacing with a VT100 compatible terminal or a PC and can be managed via their local craft ports or a central management card installed in a CO shelf. ADC's Windows-based SNMP management software can be used to provision the system, collect alarm and performance data, and conduct diagnostic tests. Management may be local or from a remote management station. In any of these modes, the ETU can be programmed and managed through the CO, minimizing travel to the customer site.

Features:

- Fiber optic quality (BER 10^{-10})
- User software-selectable dataport interface
- Single-pair mode where the unit uses only 1 pair at a maximum rate of 1 Mbps
- Point-to-multipoint configurations – a single CO card operates two 1 Mbps ETUs, each via a single pair, to reduce system costs
- Timeslot priority mode – if one HDSL pair fails, the FAS, TS 16 signaling and first 15 voice channels switch to the operating pair
- Compatible with G.703/704 and dataport central office units
- Downloadable software for easy upgrade
- V.35/V.36/RS-530/X.21

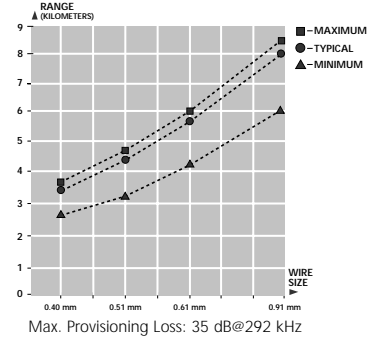
Ordering Information

| Catalog No. | Part No. | Powering | User Interface |
|-------------|--------------|---------------------------|--|
| ETU-871* | 150-1431-01* | 100-240 VAC, 50-60 Hz | G.703/704 Compliant |
| ETU-872* | 150-1431-02* | 100-240 VAC, 50-60 Hz | V.35/V.36/RS-530/X.21 user software selectable |
| ETU-881* | 150-1433-01* | Line powered from LTU-80x | G.703/704 Compliant |
| ETU-882* | 150-1433-02* | Line powered from LTU-80x | V.35/V.36/RS-530/X.21 user software selectable |

*Note: Effective 1 January 2001, if a CE mark is required, add a "C" suffix to both the Catalog No. and Part No.

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|---|---|
| HDSL Interface | Line Code: 2B1Q Line Rate: 1168 kbps on each pair Range: (see chart at right) Connector: DB9F (adapters available) Protection: ITU-T K.20 and K.21 compliant Compliance: ETSI TS101135 and ITU-T G.991.1 |
| E1 Interface | Line Code: HDB3 Data Rate: 2048 kbps Operation: full or fractional Blocking: per 64 kbps channel Idle Code Insertion: user selectable word Impedance: 120 Ω balanced or 75 Ω unbalanced Framing: structured with or without CRC-4 or unstructured Connectors: both D15F (balanced) and BNC (unbalanced) Timing: G.703 or external Compliance: ITU-T G.703, G.704, G.706, G.821, G.823, CTR12 |
| Data Interface | User software selectable as: V.35, V.36, RS-530 or X.21 Connector: D25F (adapters available) Timing: internal, external, Nx64k, HDSL Compliance: Net 2 |
| Power Requirements | ETU-871/872: Input Power: 100 to 240VAC, 50 to 60 Hz. nominal Consumption: 4W Power Cord: IEC-320 receptacle (cord type selectable by user when ordered) ETU-881/882: Input Power: line powered from any ADC two pair LTU Consumption: 4W |
| Performance Monitoring and Diagnostics | HDSL: noise margin and ES for each pair Dataport: data and clock activity and control signal state Alarms (software): LOS, LFA, AIS, RAI, LOC (loss of clock) Alarms (hardware): one Form C relay contact Loopbacks: local, remote Test pattern: PRBS pattern generator and bit error meter |
| Environmental | Operating Temperature: -5°C to +50°C Storage Temperature: -40°C to +85°C Humidity: up to 95% RH non-condensing |
| Regulatory | CE marked Safety: EN60950 Emissions and Immunity: EN55022, EN-50081-1, EN-50082-1 (prior to 1 January 2001) EN 300386-2 (after 1 January 2001) Overvoltage: K.20, K.21 |

WorldDSL Rate/Reach Chart



Web Site: www.adc.com

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 For a complete listing of ADC's global sales office locations, please refer to our web site.

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