

HBR-2502 DS1/E1 MODULES HBR-D1/HBR-E1



DS-1 Module Shown Above

The IPITEK HBR-2502 DS1 (commonly known as T1) and E1 modules transmit and receive 2 standards-based DS1 or E1 signals via the HBR-2502 digital transport system.

The modules provide customers the capability to support a wide variety of legacy TDM services such as PBX voice, private line data/video, frame relay, and international E1 services.

The DS1 module complies with GR-499-CORE (1.544 Mb/s nominal rate, DSX-1 interconnect specification). For each DS1 port, the line coding is provisionable to either Alternate Mark Inversion (AMI) or Bipolar 8-Zero Substitution (B8ZS). The E1 interface module complies with G.703.

Status monitoring and alarms such as LOS (Loss of Signal) and AIS (Alarm Indication Signal) are includ-

FEATURES

- Support standards-based DS1/E1
- Modular Design
- Hot Swappable
- LED Status/Fault Indication

APPLICATIONS

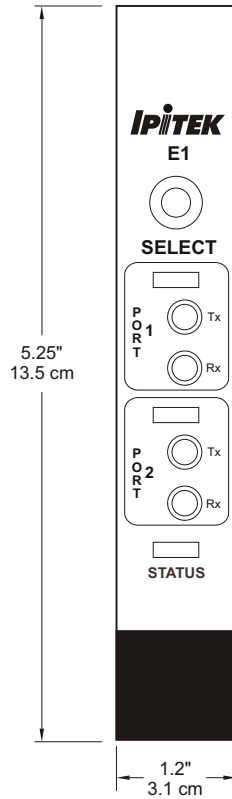
- Telephone Transmission
- Compressed video transport
- Distance Learning
- Video Conferencing

ed with the modules. Front panel LEDs indicate signal state for each port and health status for the entire module, while detailed status and configuration controls are accessed via the terminal's node controller, craft utility, or NodeWizard element management system.

The DS1 and E1 modules include non-volatile memory containing module identification and tracking information.

With DS1/E1 module, Ipitek's HBR 2500 lives up to its reputation as a true universal digital transport platform, providing whatever applications you need: studio quality NTSC/PAL baseband video, IF video, data services like DS3/E3 and 10/100 Base-T Ethernet.

MECHANICAL



SPECIFICATIONS

DS-1 Interface

Bit Rate:	1.544 Mb/s \pm 32 ppm
Line Code:	AMI or B8ZS
Level:	DSX-1
Cable Loss:	0 - 655 ft.
Impedance:	100 ohms \pm 5%, balanced
Connector:	Barrier Strip
Jitter Performance:	GR-499-CORE
AIS:	TR-TSY-000191 compliant
Loopback Modes:	Terminal and Facility

E1 Interface

Bit Rate:	2.048Mb/s \pm 50 ppm
Line Code:	HDB3
Output Pulse Shape:	G.703
Impedance:	120 ohms
Connector:	Barrier Strip
Loopback Modes:	Terminal and Facility

ORDERING INFORMATION

HBR

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*HBR-250X Series
Compatible*

Type

D1 = DS1 Transport Module
E1 = E1 Transport Module

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IPiTEK reserves the right to modify product specifications without prior notification.

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