

HBR-2502 OC-3/STM-1 MODULE HBR-OC3



The IPITEK® HBR-2502 OC-3/STM-1 module transmits and receives 1 standards-based OC-3/STM-1 signal via the HBR 2500 digital transport system.

The module has the capability to transport OC-3/STM-1 based SONET/SDH tributary signals within the OC-48c/STM-16c backbone. These tributary signals may contain MPEG-2 transport streams, ATM data or other legacy telephony.

Status monitoring and alarms such as LOS (Loss of Signal) and LOF (Loss of Frame) are included with the module. Front panel LEDs indicate signal state for each port and health status for the entire module, while detailed status and configuration controls are

- ### FEATURES
- Support OC-3/STM-1 according to GR-253-CORE/ITU-T G.702
 - Modular Design
 - Hot Swappable
 - LED Status/Fault Indication
 - Single direction OC-3/STM-1 transport for Video applications

- ### APPLICATIONS
- OC-3/STM-1 based tributary aggregation
 - MPEG-2 video transport
 - ATM transport and networking
 - OC-3/STM-1 based next-generation digital loop carrier systems in telephony applications

accessed via the terminal's node controller, craft utility, or NodeWizard element management system.

The OC-3 module includes non-volatile memory which contains module identification and tracking information.

With the OC-3/STM-1 module, the HBR-2502 continues to increase the value of IPITEK's full complement of video, voice and data solutions, including studio quality NTSC/PAL baseband video, IF video, DVB-ASI, SMPTE SDI video, data services like DS1/E1, DS3/E3, RS-232/422/485 and 10/100 Base-T Ethernet.

SPECIFICATIONS

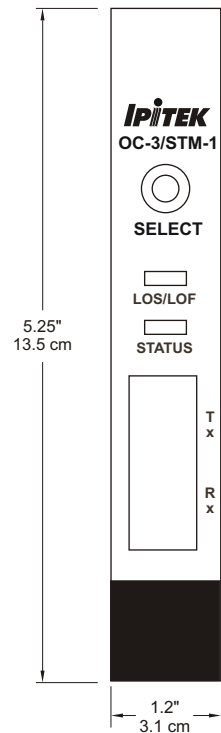
3 Transmitter / Receiver Options

	1310 nm SMF Short Haul	1310 nm SMF Long Haul	1310 nm MMF Short Range
Optical Transmitter			
Max. output power	-8 dBm	0 dBm	-14 dBm (62.5/125µm) -14 dBm (50/125µm)
Min. output power	-15 dBm	-5 dBm	-20 dBm (62.5/125µm) -23.5 dBm (50/125µm)
FDA classification	Class 1	Class 1	Class 1
Nominal wavelength	1310 nm	1310 nm	1310 nm
Optical Receiver			
Max. receiver level	-8 dBm	-8 dBm	-14 dBm
Min. receiver level	-28 dBm	-34 dBm	-30 dBm
Link loss budget	13 dB	29 dB	10 dB at 62.5/125µm; 7.5 dB at 50/125µm

General

Line Rate:	155.52 Mb/s ±20 ppm
Line Coding:	NRZ
Faceplate optical connector:	SC Duplex connector
Fiber:	Multimode or single mode fiber
Operation:	One-way or full duplex
Loopback Modes:	Terminal and Facility
Compliance:	GR-253-CORE, ITU-T G.702 / 707 / 708 / 709, other environmental/safety and EMC compliance

MECHANICAL



ORDERING INFORMATION

HBR	-	OC3	-	X
<i>HBR-250X Series Compatible</i>		Type OC3 Repeater		Type 1 = 1310 nm SMF short haul 2 = 1310 nm SMF long haul 3 = 1310 nm MMF short range



2330 Faraday Avenue • Carlsbad • CA • 92008
(760) 438-1010 • Toll Free (888) 4-IPITEK (447-4835)

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

DAT-HBR-OC3 Rev. B Copyright © IPITEK 2007

FAX (760) 438-2412 • sales@ipitek.com • www.ipitek.com

IPITEK is ISO 9001 Registered