



Optical Line Transmission Equipment 34Mbit/s

The OLTE-34 is 34Mbps Optical Line Transmission Equipment which converts and transports ITUT compliant standard E3, 34Mbps signal on optical fiber. The optical link, between two OLTE terminals is established on one pair of optical fibers. One fiber link is used for Transmit and the other for Receive. In the transmit path, the HDB3 code converted to MCMI (modified code mark inversion), and then intensity

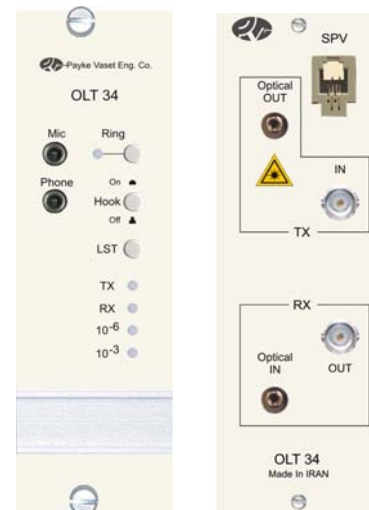
modulated laser diode. In the receive path, after converted optical signal to electrical, amplified, AGC, regained to HDB3 code. A complete optical line transmission system comprises of two OLTE terminals, one at each end of the optical fiber cable.

Both the Local and the Remote terminals can be monitored and controlled by PCT (parameter control terminal).

Features

- -10dbm Optical Output Transmitter
- -10dbm ~ -30dbm Optical Input Receiver
- Standard CCITT (ITUT) compliant interfaces
- Auto Laser Shut Off facility
- Remote/Local terminal monitoring and control through PCT
- AC main or 48V DC 3RU Inputs Supply
- Installable in 3RU Digital Studio Subrack

Specifications



Electrical input and output	
Code	HDB3, 34368Kb/s ±20 ppm
Standard	G703 Interface, 823 Jitter,
Connector	BNC, 75 ohm, return loss < 18db
Equalization	Automatic, Up to 300meter
Optical input and output	
Code	MCMI, 68736 Kb/s,
Tx Power	-10dbm ±2db, Laser Diode
Rx Sensitivity	-10dbm.....-30dbm
Fiber	Single Mode, G652
Connector	DIN, return loss < 40db
Wavelength	1300 nm, 2 nd window

General	
Power	± 5 Volt, 400m.amp <
Humidity	10.....85 %
Temperature	0.....50 °C
Dimension	234 *125 * 40mm
Parameter Control Termination	
Monitoring	On-line Local and Remote Control BER 10E-6, Standard G955
Alarm	Shut-off Laser , AIS, RLS, BER 10E-3, , Standard G921

