

Robust, durable, cost effective fibre communication links

The 3005 OLTE from the European innovator in Fibre Networking Solutions, provides a highly reliable and cost effective communication link via Fibre for transmitting E1/E2 traffic. The E1/E2 channels comply with the ITU G703 standard, using HDB3 coding.

- + The internal PCB is designed in a modular fashion so that it can be integrated into the Probot 800 Series as a 3U rackmount version.
- + All modems can be configured with 850nm multimode optics or with 1300nm single mode.
- + All units are supplied with unbalanced and balanced input/output connectors.
- + Comprehensive status alarms are provided on the front panel with the facility of remoting alarms and controls via a 9 pin "D" connector.
- + Local and remote loopback can be configured from switches on the front panel of the unit.
- + With an optical budget of 12dB to 14dB this series of modems is ideal for cross-site/campus style environments and telco transmission systems. These products provide the end user with a cost effective and highly reliable system.
- + SNMP management can be implemented when used in conjunction with rack system.
- + When used in conjunction with a 3006 modem, protocol conversion from G703 to X21 across the link can be achieved, thus saving the need for expensive external convertors.

Features + Benefits

- + E1 2.048Mb/s or E2 8.448Mbs (Autosensing)
- + Comprehensive management
- + Protocol conversion to X21 over Link.
- + SNMP Management



The 3005 can be mounted into the Probot 800 series as a rackmount version.

TECHNICAL SPECIFICATIONS

PROBOT 3005 FIBRE-OPTIC MODEM SERIES

PARAMETER	VALUE
Optical budget	50/125m fibre: 12dB min 62.5/125m fibre: 14dB min 9/125m fibre 12dB min
Optical wavelength	850nm multi mode 1300nm multi mode 1300nm single mode
Traffic interface E1/E2	E1 2.048Mb/s and E28.448Mb/s autosensing Traffic in / Traffic out Unbalanced BNC 75W Balanced RJ45 120W
Optical connectors	ST
MTBF	>75000 hour MIL HB 217E
ENVIRONMENTAL	
Operating temperature	0°C to +55 °C
Relative humidity	95% non condensing
Safety	EN60950
EMC	Designed in accordance with FCC Regulations Part 1, sub J, for class B computer equipment. CE compliant
ALARM STATUS	
Alarm	Alarm – LED /relay
Power	Power – LED
Link Sync	Link SYNC– LED
Tx	Tx – LED
Rx	Rx – LED
Local Loopback	Local loopback – LED
Remote Loopback	Remote loopback – LED
BER	BER - LED
Power	110/240vac 48vdc
Dimensions	181mm wide x 200mm deep x 44mm high Weight: 800g
Weight	800g

PROBOT 3005 FIBRE-OPTIC MODEM SERIES ORDERING INFORMATION:

DATA INTERFACE	MODE	PRODUCT NUMBERS
E1/E2	Multimode	3005D00
E1/E2	Singlemode	3005D01
E1/E2	Multimode	3005R00
E1/E2	Singlemode	3005R01

Distributed by:

Wavesight Limited, Unit 3, Dencora Way, Sundon Business Park, Bedfordshire, LU3 3HP, United Kingdom
T +44 (0)1582 578160, F +44 (0)1582 578298, E sales@wavesight.com W www.wavesight.com

Wavesight is the new trading name for Wavelength Solutions Limited.
Wavesight is the leading European innovator in the design, supply and manufacture of Broadband Wireless and Fibre solutions for the transmission of Data, Voice and Video. Operating in markets that demand cost effective high bandwidth connectivity, Wavesight has an enviable track record in the delivery of value-added specialist communications solutions to enterprise, education, government, telecoms, transportation, defence & security services. For more information please visit www.wavesight.com

Copyright © Wavesight. All rights reserved. All other company and product names maybe trademarks of their respective companies. While every effort is made to make sure the information shown is accurate, Wavesight does not accept any liability for any errors or mistakes that may arise. Specifications and other information may be subject to change without notice. All performance figures and other data contained in this document may vary by application. No freedom to use information, patents, trade marks, or other intellectual property rights is implied by the publication of this document.



DS001 01/05