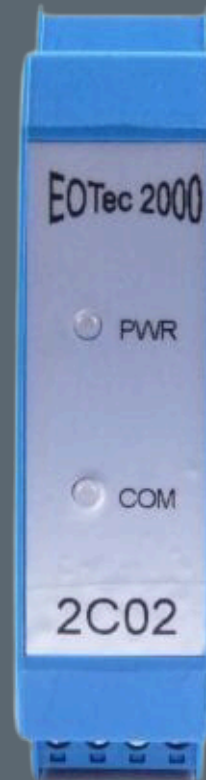


# 2C22 Profibus DP electrical interface module



## Overview

Electrical interface modules (EIM) connect the copper signal to digital signal for transmission over fiber via the optical interface module (OIM). The basic modem configuration consists of a power supply, an EIM and an OIM. Additional modules may be added to configure daisy-chain, star, and self-healing ring (SHR) topologies.

# Technical specification

Feature	Description
Protocols and extra features	Profibus DP
Communications data rate	9.6K, 19.2K, 45.45K, 93.75K, 187.5K, 500K, 1.5M, 3.0M, 6.0M, 12.0M
Copper cable connector	DB-9 pin
Copper cable end termination	User supplied
Maximum devices and copper cable length supported per module	Per Profibus specifications
Ambient conditions	-40 to 85°C operational, 0-95% relative humidity non-condensing
Power requirements (bus)	9Vdc @ 200mA maximum per module
Power indicator	Green LED
Communications activity indicator	Amber LED
Certifications	CE Marked, Class I, Division 2, Groups A, B, C & D (on selected models), US and Canada
Weight	9oz
Accessories	Power supply 2A06, 2A16, 2A08, 2A18
Installation instructions	Shipped with product or available on request

PRODUCTS: Model 2C22 and Model 2C23 Profibus Electrical Interface Modules and Models 2E06, 2E07, 2E09, 2E10, 2E19, 2E36, 2E46, 2D06, 2D07, 2D09, 2D10, 2D19, 2D36 and 2D46, Optical Modules utilized together in the EOTec 2000 Fiber Optic Modem System. SYMPTOM: When utilizing the Profibus Modules with the Optical Modules listed above, erratic communications and/or LED indicator functions may be encountered. Changing the Optical Module(s) in the modem stack may correct the issue. PRODUCTS & VERSIONS: The issue lies with a particular firmware version installed in the EOTec 2000 Optical Modules manufactured during portions of calendar year 2006 and 2007. A particular optical module's firmware version may cause the issue but only when used in conjunction with the Profibus modules, 2C22 and 2C23. The firmware in question was installed in EOTec 2000 Series Optical Modules beginning with Serial Number 0102986 and ending with Serial Number 0111538. UPGRADES: EOTec 2000 series Optical Modules that are within the warranty period can be returned to the factory and their firmware will be upgraded with the latest version at no charge. Contact your distributor or Weed Fiber Optic Customer Service for additional information, determining warranty and non-warranty and to obtain a Return Authorization Number for returns to the factory.

## About Ultra Energy

Organizations working with nuclear and industrial technologies must deliver reliable production at the same time as safeguarding people, the environment and infrastructure. We develop and manufacture measurement and control solutions that give our customers complete, long-term control over systems operating in harsh environments, helping them operate safely and increasing the value derived from their investments over their total lifespan.

Part of Ultra Group, a global electronics company, Ultra Energy has worked with nuclear and industrial customers for over 60 years. We support customers across the world from facilities located in the US and UK. Our solutions are embedded in strategic national infrastructure and our people are active partners in customer programs that are focused on delivering advanced future nuclear and industrial capabilities.

## United States of America

707 Jeffrey Way  
Round Rock  
Texas 78665-2408  
USA

Tel: +1 512-434-2800

## United Kingdom

Innovation House  
Lancaster Road  
Ferndown Industrial Estate  
Wimborne  
Dorset BH21 7SQ  
UK

Tel: +44 (0) 1202 850 450

## For more information

Web: [ultra.energy](http://ultra.energy)  
Email: [sales@ultra.energy](mailto:sales@ultra.energy)