

## 6C05 Electrical Interface Module



The 6C05 Module provides electrical interface for Texas Instruments Tiway/Peerlink communications by conditioning the electrical signals supplied to and from the Texas Instruments equipment for transmission over the fiber optic network. The module obtains operating power and interconnects to other modules in the EOTec 6000 Modem via the integrated backplane of the Model 6A02 Modular Rack.

The simplest modem configuration consists of a Power Supply, an Electrical Interface, and an Optical Interface Module. However, additional modules may be added to configure Daisy Chain, Star, Self-Healing Ring topologies and provide Redundancy. A maximum combination of five optical or electrical modules may be connected together in one modem.

### SPECIFICATIONS

#### Mechanical:

Mounting: Slot 5 of the 6A02 Modular Rack with the Master/Slave switch in the Master position  
Slot 1 through 4 of the Modular Rack with the switch in the Slave position

Weight: < 7oz ( 200g )

Baud Rate: 115.2K Baud

Copper Cable Connector: .375" Screw Terminal Barrier Strip

Copper Cable End Termination: External, User Supplied, Based on Cable Impedance

Maximum Texas Instruments Units & Cable Length Supported per Module: 10 Devices, 200 feet maximum

Power Indicator: Green LED

Ambient Conditions: -40°C to 80°C Storage  
0°C to 70°C Operational  
0 to 90% Relative Humidity Non-Condensing

