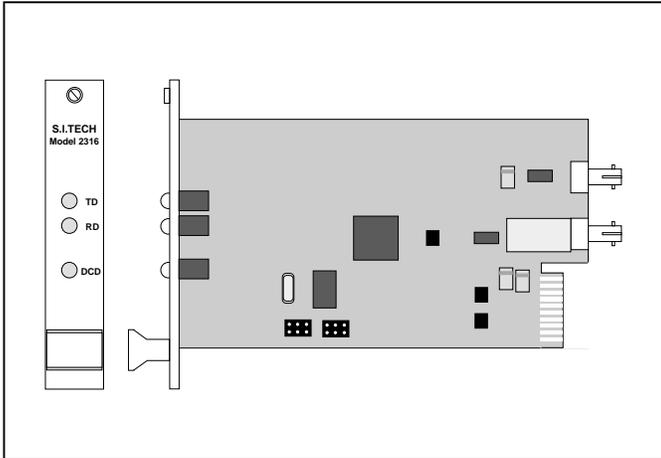


# Optical Asynchronous Bit-Driver<sup>®</sup> Point to Point



**Features:**

- 0 to 115.2 Kbps asynchronous half duplex operation
- 6600 ft. (2 Km) distance capability
- 0 ° C to + 50 ° C operating range ( -20° C to + 60° C - SM)
- ST connector receptacle (SMA option)
- Designed to work with Siemen's Systems and with S.I.Tech Model 2616
- To be used with bussed motherboard 3520, power supply 4000, and series 3000 rack

**OPERATING DISTANCE FOR FIBER OPTIC CABLE**

Fiber Size (Microns)	Attenuation dB/Km	Distance Meters*	Distance Feet*
50	3.0	2000	6600
62.5	4.0	2000	6600
100	5.0	2000	6600
10**	1.0	7000	23000

\* High power option available

\*\* Single Mode 1300 nm option

*Meets FCC requirements of Class A, Part 15 Computing Devices Standard.  
Specifications subject to change without notice.*



**Operation Mode:** Asynchronous, half duplex  
RS-485

**Input/Output Interface:** Asynchronous at 0 to 115.2 Kbps  
(data rate must be set at factory)

**Transmission Line Interface:** ST connector is standard for  
interfacing with fiber optic cable  
(SMA option)

**Transmission Distance:** 6600 ft. (2 Km)

**Optical Power into a 50 Micron**

**Core Optical Fiber:** 10 microwatts, 10 dB power  
budget @ 850 nanometers  
(1300nm option), (High power option)

**Receiver Sensitivity:** 1 microwatt at less than 10<sup>-9</sup>  
bit error rate

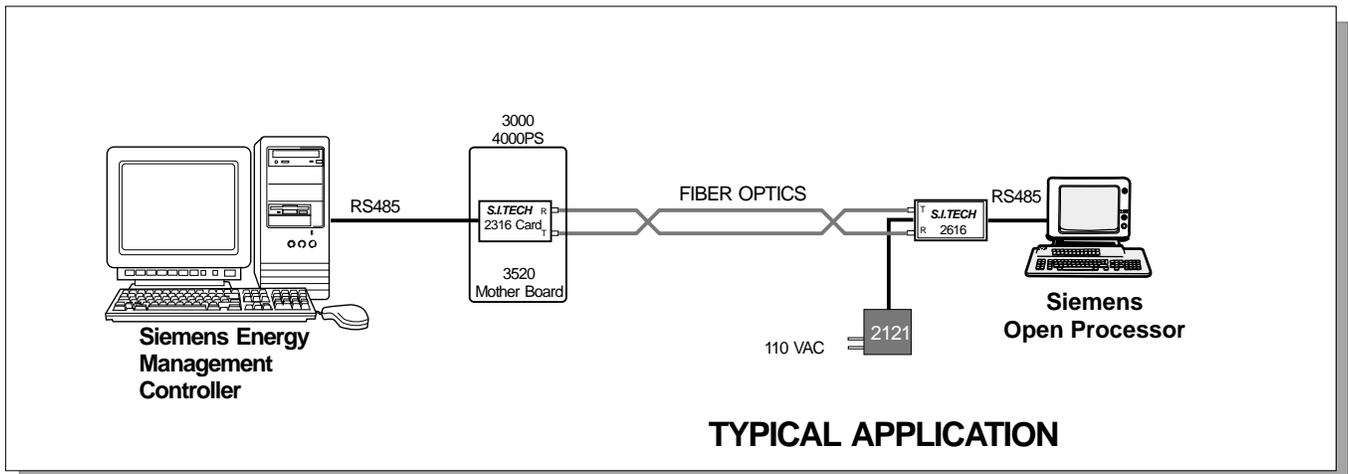
**Operating Temperature:** 0° C to 50° C

**Enclosure:** 19" rack

**Card Size:** Eurocard 3.9" x 6.8"  
(9.9 x 7.3 cm)

**Weight:** 0.5 lb (200 grams)

**Termination:** Last device on RS-485 bus  
should be terminated



**TYPICAL APPLICATION**