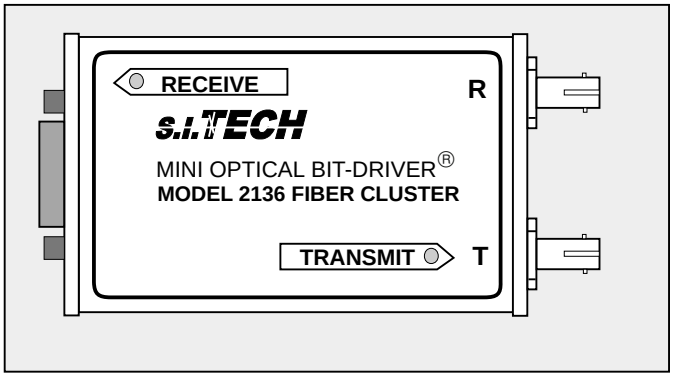
Model 2136

S.I.TECH

Fiber Cluster® Mini Bit-Driver®



Features:

- Custom designed for UNISYS NGEN WORKSTATIONS B28, B38, and B39 SERIES
- Point to point links B28 EXP series or above runs at 3.6 Mbps (All others at 1.8 Mbps) up to 6 Km
- 24 Workstation Cluster using S.I.Tech optical (Fiber Cluster®) with coupler Model 9024 with up to 2 km between workstations
- Daisy Chain up to 5 NGEN WORKSTATIONS per cluster (requires two 2136 Bit-Drivers® per Workstation or five optical couplers)
- Cluster line termination included in 2136
- Suitable for secure locations

Operation Mode: Synchronous half duplex
Input/Output Interface: RS-485 Cluster port operating at 1.8 Mbps or 3.6 Mbps
Transmission Line Interface: DB-9F ST connector is standard for interfacing with fiber optic duplex cable (SMA option)
Optical Power into a 62.5 Micron Core Optical Fiber: 25 microwatts, 17 dB power budget* @ 850 nanometers
Receiver Sensitivity: 500 nanowatts at less than 10^{-9} bit error rate, 50 microwatts max.
Operating Temperature: 0 °C to 50 °C
Metal Enclosure: 1.75 x 3 x 0.625 in (4.5 x 7.5 x1.6 cm) Panel or DIN rail mounting option
Weight: 0.25 lb (100 grams)
Input Power: External with power supply (S.I. Tech #2121 - 110 VAC to 12 Volt DC)
230V Version: Use S.I.Tech 2122 power supply

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

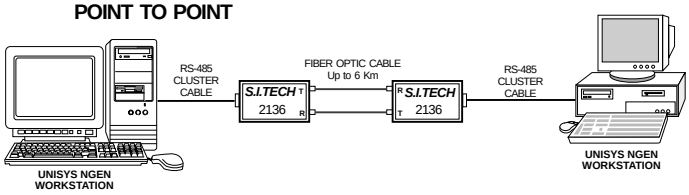
OPERATING DISTANCE FOR FIBER OPTIC CABLE

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

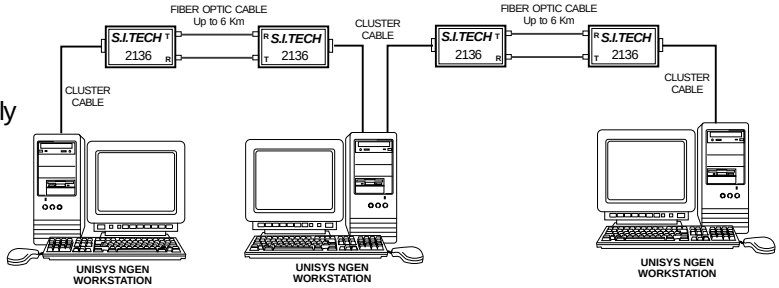
* High power option available

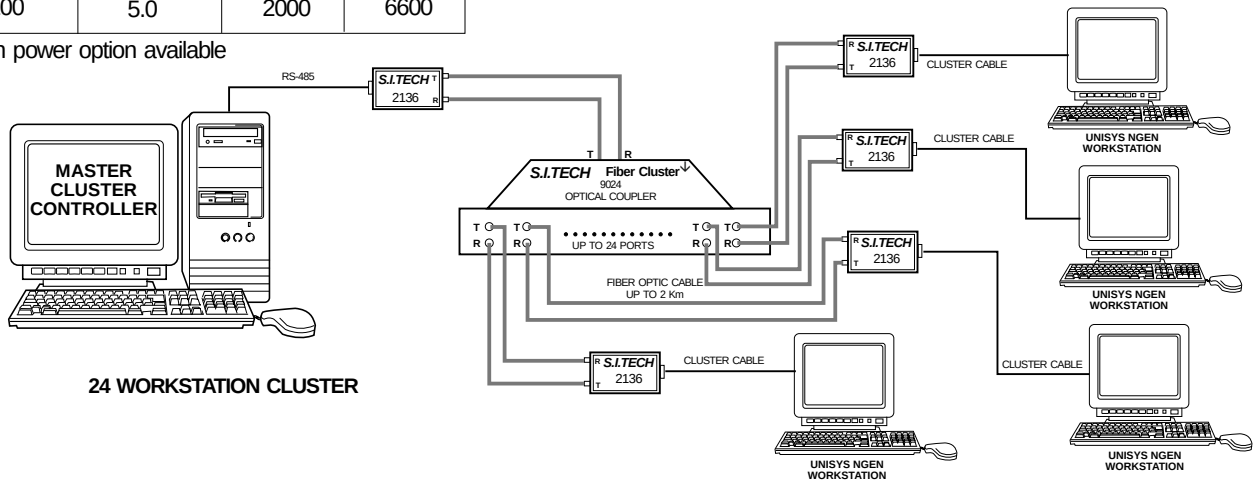
TYPICAL APPLICATION

POINT TO POINT



DAISY CHAIN (5 WORKSTATIONS MAX.)





24 WORKSTATION CLUSTER

For application engineering assistance: 630-761-3640 FAX: 630-761-3644 S.I.Tech, P.O.Box 609, Geneva, Illinois 60134 U.S.A. Web site: http://www.sitech-bitdriver.com.