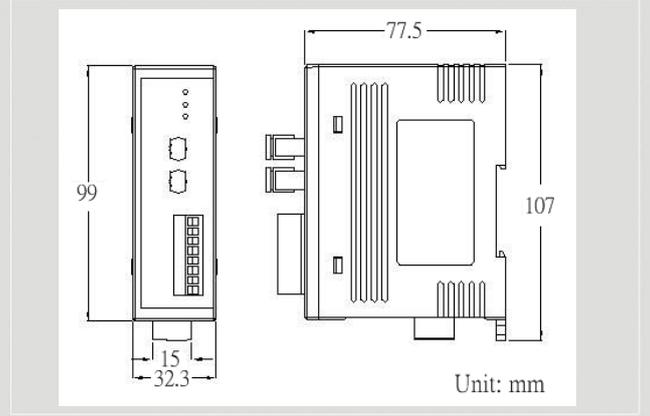




CAN to Fiber Converter



I-2532



Dimensions

The I-2532 is a CAN to fiber optic converter that secures data transmission by using fiber optic transmission to provide immunity from EMI/RFI interference, which is designed to extend CAN bus signals onto fiber optic cables. It is used for CAN applications for transmitting a signal up to 1.4 Km (4593 ft), and is the perfect solution for applications where transmission must be protected from electrical exposure, surges, lightning or chemical corrosion.

Features

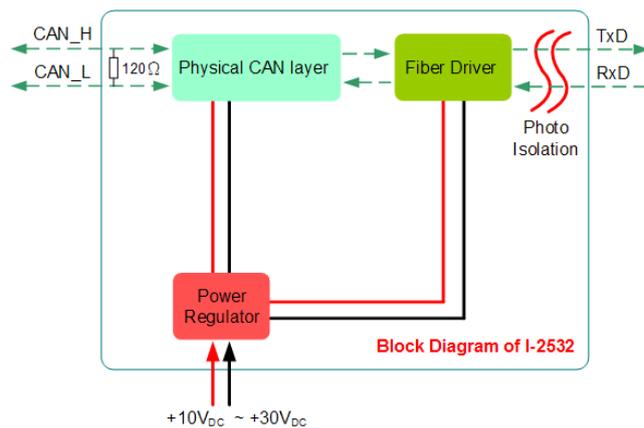
- Compatible with CAN specification 2.0A and 2.0B
- Fully compatible with the ISO 11898-2 standard
- Support baud up to 500Kbps
- Jumper for 120Ω terminator resistor of CAN bus
- Fiber Port: ST (Multi-mode)
- Wave Length: 850 nm
- Auto-baud detection
- up to 100 nodes on CAN port
- Removable terminal block
- Mount easily on DIN-rail

Pin Assignments



NO.	Pin name
TxD	FiberTxD
RxD	FiberRxD
1	N/A
2	N/A
3	N/A
4	N/A
5	N/A
6	CAN_L
7	CAN_H
8	CAN_GND

Block Diagram



Maximum Fiber Length

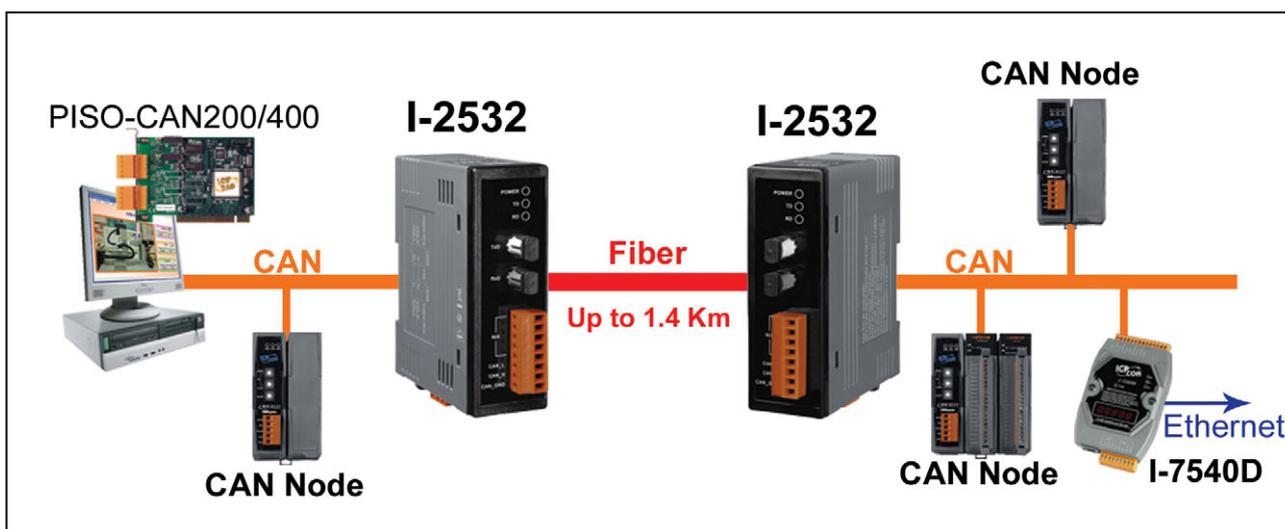
Baud [bps]	Maximum Fiber Length. [m]	
	Attenuation < 2.8dB/km	Attenuation < 4dB/km
500K	50	50
250K	200	200
125K	450	400
50K	950	400
10K, 20K	1400	400



Hardware Specifications

Item	I-2532
CAN Port Channels	2
CAN Connector	8-pin removable screw terminal × 1
Fiber Connector	ST (Multi-mode) Fiber Port × 2
Wave Length	850 nm
Fiber Cable	62.5/125 μm
Baud Rate	10K ~ 500Kbps
Terminator Resistor	Selectable 120Ω terminator resistor by jumper
Support Protocol	CAN 2.0A/2.0B
Propagation Delay	125ns max (125ns delay shortens bus line length by ~25m)
General	
Power Requirement	Unregulated +10V _{DC} ~ +30 V _{DC} Power reverse protection, Over-Voltage brown-out protection
Power Consumption	0.5W max
LED	Power LED × 1, Transmit LED × 1, Receive LED × 1
Environment	
Operating Temp.	-25°C to 75°C
Storage Temp.	-40°C to 80°C
Humidity	5~95% non-condensing
Dimensions	32.30mm × 99.00mm × 77.50mm (H x W x D)

Application



Ordering Information

I-2532 CR	CAN to Fiber Converter (RoHS)
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