



I-7540D

Description:

The I-7540D enables CAN networks to be coupled together over the Internet/Ethernet, whereby remote monitoring and control is possible. The I-7540D controls net-worked communication and makes a transparent CAN-based application interface available to the user. The device supports a transparent, protocol-independent transfer of the CAN messages and virtual COM technology, thus allowing its implementation into a wide range of possible applications.

Features:

- 80186-80 Embedded CPU, or compatible
- 10/100 Base-TX Ethernet Controller
- Message transmitted by using TCP/IP protocol
- COM driver support interrupt & 1K QUEUE Input & Output buffer
- Support one RS-232 port, one RS-485 port and one CAN port
- 2500Vrms photo-isolation protection on CAN side.
- Jumper for 120Ω terminator resistor for CAN channel
- Support both CAN specification 2.0A and 2.0B
- Max transmission speed up to 1M bps for CAN and 115.2K bps for RS-232 & RS-485
- Max transmission distance of CAN over 1000m (follow CAN specification)
- 7-segment LED display
- Software configurable CAN and RS-232 communication parameters
- Firmware updated from COM1 or Ethernet port
- Support Web Configuration
- Support max 25 Ethernet client connections
- Support Virtual COM technology

Specifications:

CPU	
CPU	80186, 80 MHz
SRAM	512 KBytes
Flash	512 KBytes
EEPROM	16 KBytes
NVRAM	31 Bytes
RTC (Real Time Clock)	Yes
64-bit Hardware Serial Number	Yes
Built-in Watchdog Timer	Yes
Communication Interfae	
COM1	RS-232 (TXD, RXD, RTS, CTS, GND)
COM2	RS-485 (D2+, D2-)
CAN	One CAN port with two CAN bus connector interfaces (CAN_H, CAN_L)
Ethernet Port	10/100Base-TX Ethernet Controller (Auto-negotiating, Auto_MDIX, LED indicator)
COM Port Format	
Data Bit	7,8
Parity	Even, Odd, None
Stop Bit	1
Baud-rate	115.2 Kbps max.
CAN Port Formats	
CAN Controller	Phillips SJA1000T CAN Controller
CAN Transceiver	Phillips 82C250 CAN Transceiver
Isolated	2500Vrms on CAN side
Baud-rate	1 Mbps max.
Dimensions	
I-7540D	122mm x 72mm x 33 mm (H x W x D)
Environment	
Operating Temp.	- 25 °C to + 75 °C
Storage Temp.	- 40 °C to + 80 °C
Power	
Protection	Power reverse polarity protection
Frame Ground for EDS Protection	Yes
Required Supply Voltage	+10 to + 30Vdc (non-regulated)`
Power Consumption	2.5 W

Applications

Application 1 - General application

