

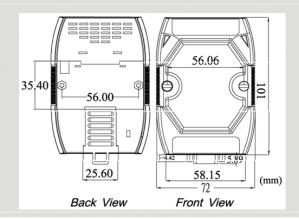
CANopen Series Products

USB to CANopen Master Converter

CE FC



I-7565-CPM



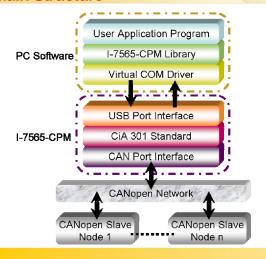
Dimensions

TheI-7565-CPM was developed as a standardized CANopen network with highly flexible configuration capabilities. It is a CANopen master solution of USB interface, and has an 80 MHz 186 CPU inside. There is a CANopen protocol interpreter, I-7565-CPM firmware, running in the I-7565-CPM. User can use this converter to process the complex CANopen protocol without increasing the PC loading very much. The rich APIs of the I-7565-CPM library and easy-to-use utility tool can satisfy the requirements of variety and complex CANopen applications.

Features

- NMT: Master
- CANopen Version: DS-301 v4.02
- Support EDS file
- Error Control: Node Guarding and Heartbeat protocol
- Allow EMCY receptions
- Provide dynamic PDO functions
- Support SYNC protocol
- Several transmission types of PDO are supported
- Support SDO download/upload segment protocol
- Provide CANopen standard baud rate
- PWR, ACT, ERR, and Tx/Rx LED indicator

Main Structure

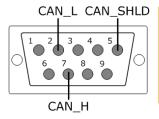


LED Indicators



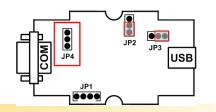
LED.	Description
PWR	Indicate power status
Tx/Rx	Indicate CAN messages transmission
ACT	Indicate firmware running status
ERR	Indicate the error status

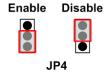
Pin Assignments



9-Pin D-Sub male connector

Terminal Resister Jumper





JP4 Terminator Resistor

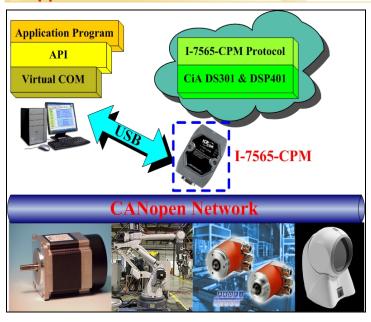




Hardware Specifications

Hardware			
CPU	80186, 80MHz.		
SRAM/Flash/EEPROM	512KB / 512KB /16KB		
ESD Protection	2 kV class A and 3 kV class B		
CAN Interface			
Controller	NXP SJA1000T CAN Controller		
Transceiver	NXP 82C250 CAN Transceiver		
Interface	ISO/IS 11898-2, 9-pin male D-Sub(GAN_GND, CAN_L, CAN_SHLD, CAN_H, CAN_V+, N/A for others)		
Transfer Rate	Support 10K, 20K, 50K, 125K, 250K, 500K, 800K, 1M bps		
Specific	Follow CiA DS-301 V4.02		
USB Interface			
Connector	USB Type B		
Transmission speed	921.6 kbps		
LED			
Round LED	PWR LED, ACT LED, ERR LED, Tx/Rx LED.		
Software			
Driver	Windows 98/ME/NT/2K/XP.		
Library	VC++6.0, VB6, C#.net, VB.net		
Power			
Power supply	By USB interface.		
Mechanism			
Dimensions	72mm x 101mm x 33mm (W x L x H)		
Environment			
Operating Temp.	-25 ~ +75 °C		
Storage Temp.	-30 ~ +80 °C		
Humidity	10 ~ 90% RH, non-condensing		

Applications





Ordering Information

I-7565-CPM

USB to CANopen Master converter