



I-7565-DNM

USB/DeviceNet Master Converter

Features

- external power supply is required as I-7565-DNM takes its power from the USB bus
- DeviceNet Version: Volume I & II, Release 2.0
- Programmable Master MAC ID and Baud Rate
- Baud Rate: 125K, 250K, 500K bps
- Support Group 2 and UCMM connection
- I/O Operating Modes: Poll, Bit-Strobe, Change of State / Cyclic
- I/O Length: 512 Bytes max (Input/Output) per slave
- Slave Node : 63 nodes max
- Support Auto-Search slave device function
- Windows XP/ Win7/ Win8/ Win10 32-bit and 64-bit drivers supported



Introduction

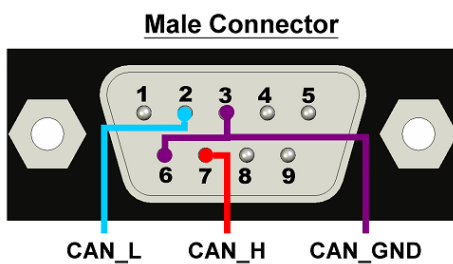
The I-7565-DNM is a DeviceNet master solution for USB interface built-in 80 MHz 186CPU. It acts the DeviceNet master device and communicates with the remote slave devices. There is a complete DeviceNet protocol firmware in the I-7565-DNM. Users can easily access the slave device via I-7565-DNM by using USB port and need not to deal with the complex DeviceNet protocol. By using the powerful Utility tool, user can diagnose the slave devices without any programming. The various development tools are supported for VB, VC, and BCB...

Utility Features

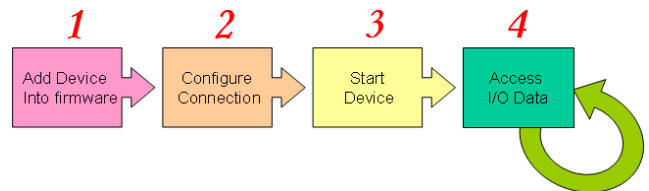


This utility supports to search all devices and specific devices in the network and can configure the I/O connection of the devices by searching devices or manual setting. It can easily to access the I/O data of all the slave devices.

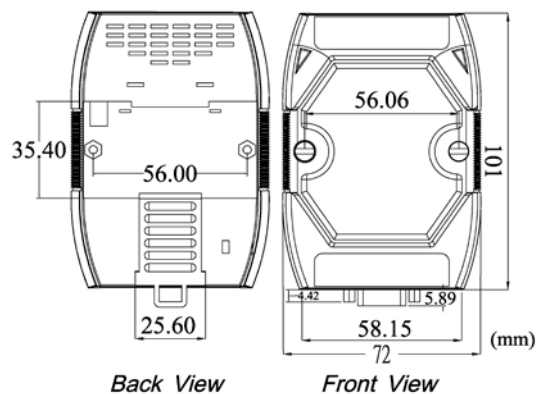
Pin Assignments



Establish Connection Flowchart



Dimensions (Units: mm)



Specifications

Hardware	
CPU	80186, 80 MHz or compatible
SRAM/Flash/EEPROM	512 KB / 512 KB / 16 KB
ESD Protection	2 kV class A
CAN Interface	
Controller	NXP SJA1000T with 16 MHz clock
Transceiver	NXP 82C250
Channel number	1
Connector	9-pin male D-Sub (CAN_GND, CAN_L, CAN_SHLD, CAN_H, CAN_V+, N/A for others)
Baud Rate (bps)	125 k, 250 k, 500 k
Transmission Distance (m)	Depend on baud rate (for example, max. 1000 m at 50 kbps)
Isolation	3000 V _{DC} for DC-to-DC, 2500 V _{rms} for photo-couple
Terminal Resistor	Jumper for 120 Ω terminal resistor
Specification	ISO-11898-2, CAN 2.0A and CAN 2.0B
Protocol	DeviceNet Volumn I ver2.0, Volumn II ver2.0
USB Interface	
Connector	USB Type B
Transmission speed	921.6 kbps
Specification	USB 1.1 and USB 2.0
LED	
Round LED	PWR LED, RUN LED, NS LED, MS LED
Software	
Driver	Win XP/ Win7/ Win8/ Win10 32-bit and 64-bit , Linux driver
Library	x64 DLL, .NET DLL, VB6 bas, VC6 DLL, BCB6 DLL
Power	
Power supply	By USB interface
Power Consumption	3 W
Mechanism	
Installation	DIN-Rail
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

Application



Ordering Information

I-7565-DNM-G CR	USB / DeviceNet Master Converter Module (RoHS)
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