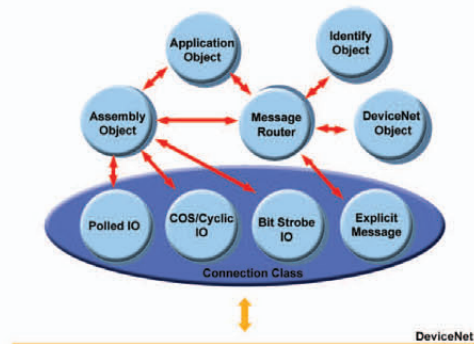


4. DeviceNet Introduction & Products

The DeviceNet network based on CAN bus is a flexible open and low-cost option which you can use to connect industrial devices to a network and to eliminate costly and time-consuming hardwiring. Direct connectivity improves communication and provides device-level diagnosis or easy accessibility through hardwired I/O interfaces.

DeviceNet Features

- ✓ Trunk line, drop line configuration
- ✓ Node removal without breaking trunk line
- ✓ Up to 64 addressable nodes
- ✓ Signal and 24 V_{DC} power in the same cable
- ✓ Selectable data rates (125 k, 250 k, 500 kbps)
- ✓ 120 Ω terminal at each trunk line end



Selection Guide

Model Name	Description	Page
DeviceNet Gateway		
I-7241D	DeviceNet Slave/DCON Master Gateway	4-2
I-7242D	DeviceNet Slave/Modbus RTU Master Gateway	
GW-7243D	DeviceNet Slave/Modbus TCP & RTU Master Gateway	
GW-7434D	DeviceNet Master/Modbus TCP & RTU Slave Gateway	
DeviceNet Module		
I-7565-DNM	USB to 1-port DeviceNet Master Converter	4-3
I-87124	Intelligent 1-port DeviceNet Master Communication Module with Serial bus	
I-8124W	High Performance Intelligent 1-port DeviceNet Master Communication Module with Parallel bus	
DeviceNet Board		
PISO-DNM100U-D	Intelligent 1-port DeviceNet Master Universal PCI interface Board	4-4
PISO-DNM100U-T		
PISO-DNS100U-D	Intelligent 1-port DeviceNet Slave Universal PCI interface Board	
PISO-DNS100U-T		
DeviceNet Remote I/O Unit		
CAN-8124/8224	1/2 Slot General Purpose DeviceNet Slave I/O Unit	4-4
CAN-8424	4 Slot General Purpose DeviceNet Slave I/O Unit	
DeviceNet Remote I/O Module		
CAN-2053D	DeviceNet 16-channel Isolated DI Module	4-5
CAN-2057D	DeviceNet 16-channel Isolated DO Module	
CAN-2054D	DeviceNet 8-channel DI and 8-channel DO Module	
CAN-2015D	DeviceNet 8-channel RTD Input Module	4-6
CAN-2017D	DeviceNet 8-channel Analog Input Module	
CAN-2018D	DeviceNet 8-channel Thermocouple Input Module	
CAN-2024D	DeviceNet 4-channel Analog Output Module	
CAN-2088D	DeviceNet PWM Module	
DeviceNet Software		
Compact DeviceNet Library	DeviceNet Master Library for PISO-CAN / PEX-CAN / PCM-CAN series CAN board	4-7
DeviceNet Master Utility	DeviceNet Master Utility for PCI series CAN board and PISO-DNM100U	
DeviceNet Master InduSoft Driver	DeviceNet Master InduSoft Driver for PISO-DNM100U and I-7565-DNM	
DeviceNet Master LabVIEW Driver	DeviceNet Master LabVIEW Driver for PISO-DNM100U and I-7565-DNM	