



## I-9124

1 Port High Performance DeviceNet Master Module

### Features

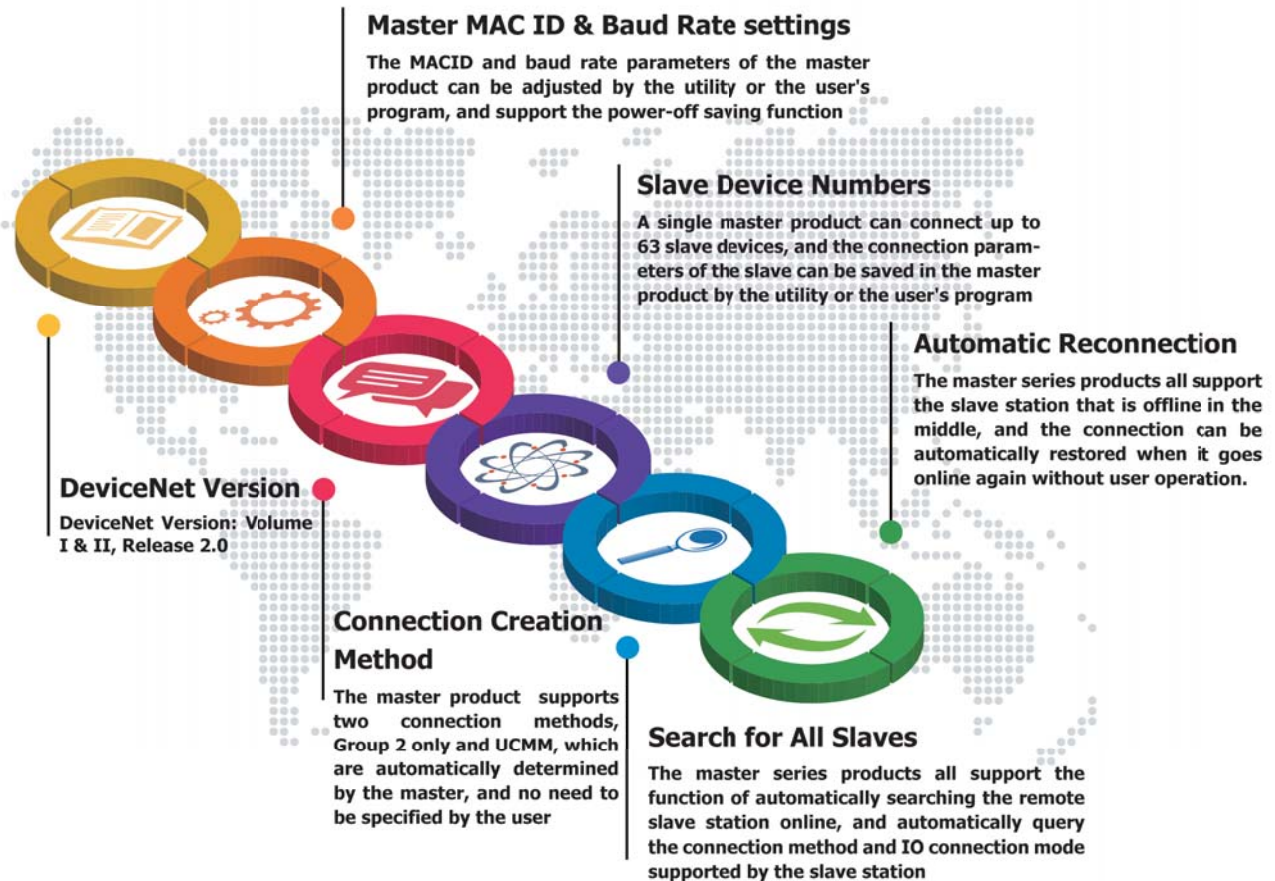
- DeviceNet Version: Volume I & II, Release 2.0
- Programmable master MAC ID and baud rate
- Baud Rate: 125k, 250k, 500k bps
- Support Group 2 and UCMM connection
- I/O Operating Modes: Poll, Bit-Strobe, Change of State / Cyclic
- I/O Length: max 512 input bytes and 512 output bytes per slave
- Slave Node : 63 nodes max.
- Auto-reconnect when the connection is broken



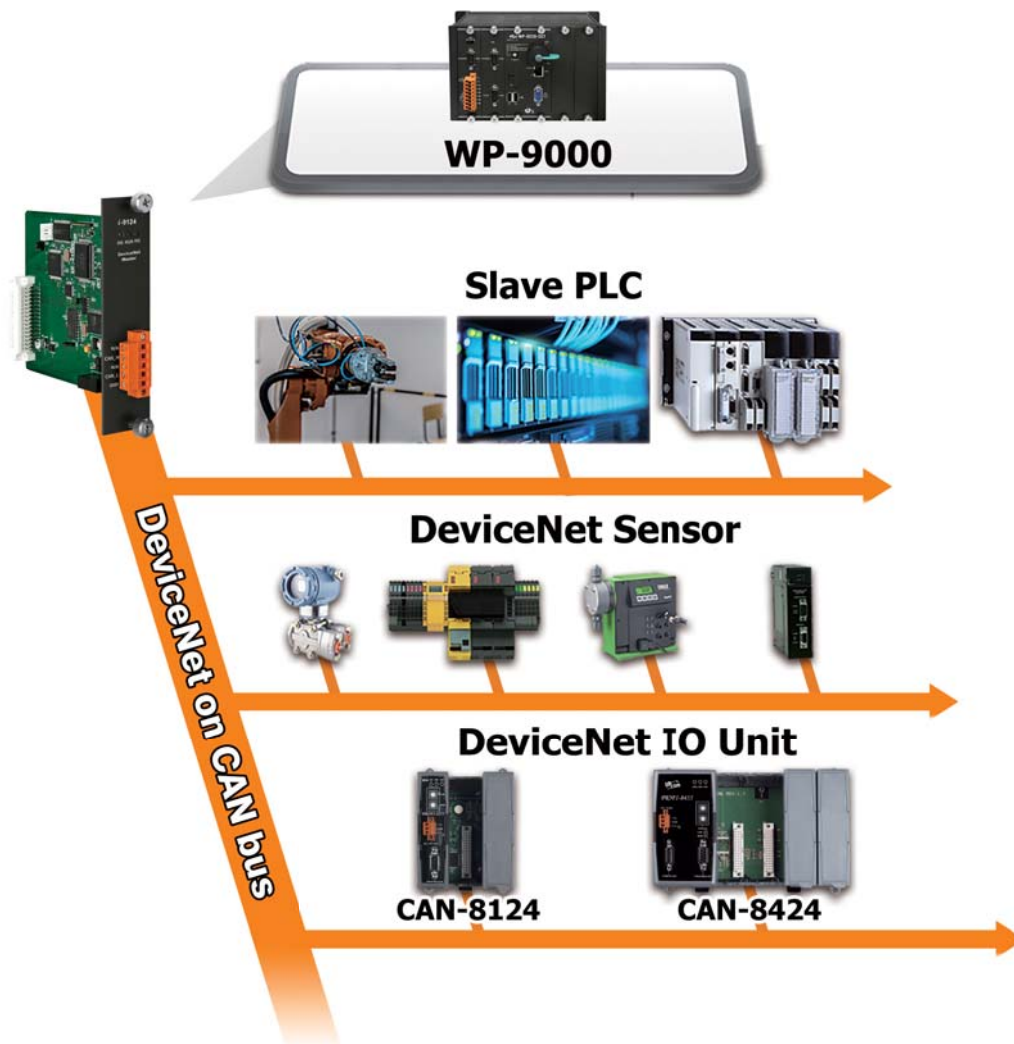
### Introduction

I-9124 is a DeviceNet master module that supports both Group 2 and UCMM functions, offering a high-performance DeviceNet master solution. Combined with the expansibility and flexibility of the WinPAC-9000-CE7 series host, I-9124 can be used in applications with higher real-time requirements. I-9124's firmware includes a complete set of DeviceNet communication protocol encoding and decoding functions. Application developers can use simple "Read" or "Write" commands to control the I/O data of remote DeviceNet slave devices. Thus, I-9124 not only expands the WinPAC-9000-CE7 series host with a DeviceNet communication interface but also assists users in efficiently monitoring remote DeviceNet slave devices without being familiar with the complex DeviceNet communication protocols.

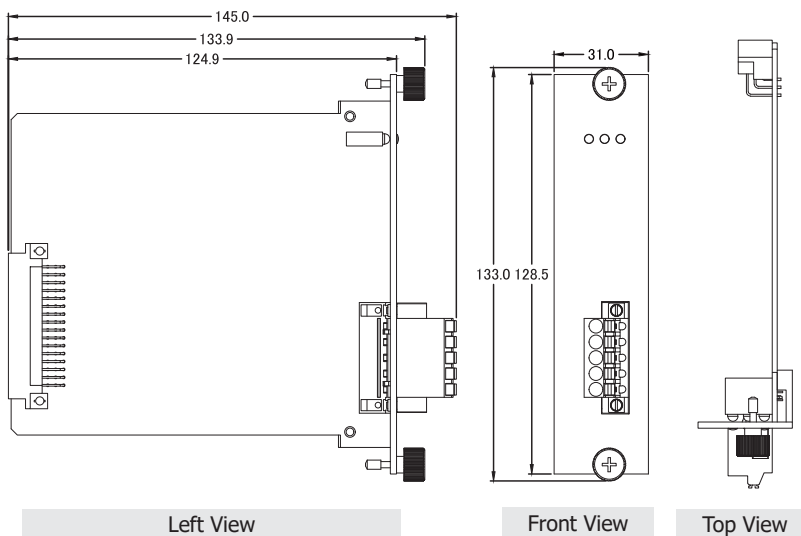
### Master Features



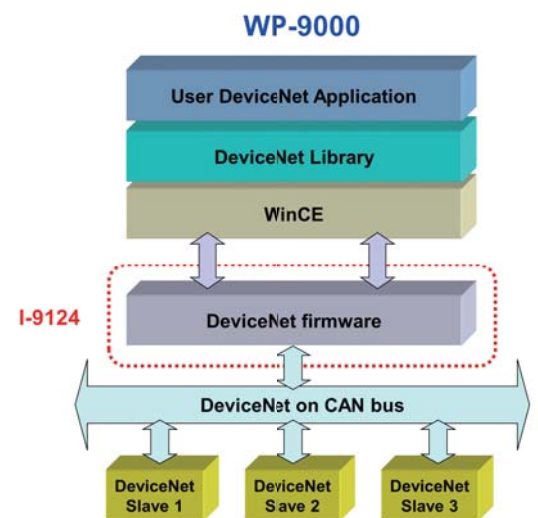
## Applications



## Dimensions (Units: mm)



## Software Architecture



## Operation Flow



### 1 Search

Search the whole remote devices and save them.



### 2 Start

Start to communicate all the remote devices.

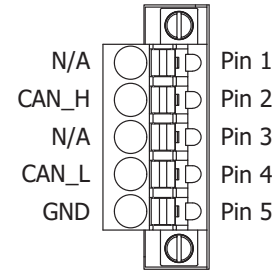


### 3 Remote Data

Read and write the real-time I/O data to the remote devices.

## Pin Assignments

The I-9124 is equipped with one 5-pin screwed terminal connector for wire connection of the CAN bus. The connector's pin assignment is specified as follows.



## Specifications

CAN Interface	
Controller	NXP SJA1000T
Channel number	1
Connector	5-pin screwed terminal block (CAN_L, CAN_GND, CAN_H, 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 VDC for DC-to-DC, 2500 Vrms for photo-couple
Terminal Resistor	Switch 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
LED	
Round LED	NS LED 、 RUN LED 、 MS LED
Software	
Driver	Win CE7
Library	C#.Net , VC++
Power	
Power Consumption	1.5 W
Mechanism	
Dimensions	31mm x 133mm x 145mm (W x L x H)
Environment	
Operating Temp.	-25 ~ 75 °C
Storage Temp.	-30 ~ 80 °C
Humidity	10 ~ 90% RH, non-condensing

## Ordering Information

<b>I-9124</b>	1 Port Programmable DeviceNet Master Interface (RoHS)
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