

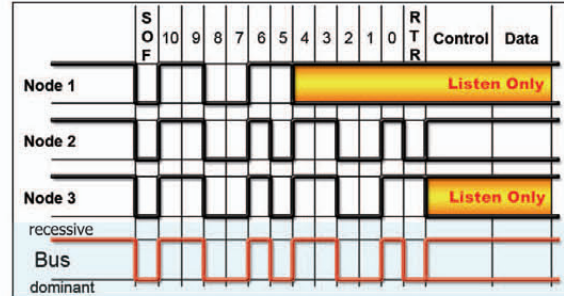
## 2. CAN bus Introduction & Products

The Controller Area Network (CAN) is a serial communication way, which efficiently supports distributed real-time control with a very high level of security. It provides error processing mechanisms and message priority concepts. The features can improve the network reliability and transmission efficiency. Furthermore, CAN bus supplies the multi-master capabilities, and is especially suited for networking "intelligent" devices as well as sensors and actuators within a system or sub-system.

### ✿ Speed & Distance

Baud (bit/sec)	Ideal Bus Length(m)
1M	25
800k	50
500k	100
250k	250
125k	500
50k	1000
20k	2500
10k	5000

### ✿ Arbitration



### Selection Guide

Model Name	Description	Page
<b>CAN bus Converter &amp; Repeater</b>		
I-7530	CAN bus to RS-232 Converter	2-2
I-7530A-MR	CAN bus to Modbus RTU Converter	
I-7530A	CAN bus to RS-232/RS-485/RS-422 Converter	
I-7530-FT	Low Speed Fault Tolerance CAN bus to RS-232 Converter	
I-7531	CAN bus Isolated Repeater	2-3
I-7532	CAN bus Bridge	
I-2534	Industrial 4-port CAN bus Switch	
I-7540D	Ethernet to CAN/RS-232/RS-485 Converter	
I-7540D-WF	CAN bus to Wi-Fi Converter	2-4
I-2532	CAN bus to Fiber Converter	
I-2533	CAN bus to Fiber Bridge	
I-7565	USB to CAN bus Converter	2-5
I-7565-H1	High Performance USB to CAN bus Converter	
I-7565-H2	High Performance USB to 2-port CAN bus Converter	
<b>CAN bus PAC</b>		
I-7188XBD-CAN	CAN/RS-232/RS-485 Programmable Automation Controller	2-5
uPAC-7186EXD-CAN	Ethernet/CAN/RS-232/RS-485 Programmable Automation Controller	
<b>CAN bus Module</b>		
I-87120	Intelligent 1-port CAN bus communication Module with Serial Bus	2-6
I-8120W	Intelligent 1-port CAN bus communication Module with Parallel Bus	
<b>CAN bus Board</b>		
PEX-CAN200i-D	2-port CAN bus PCI Express x 1 Interface Board	2-6
PEX-CAN200i-T		
PISO-CAN200U-D	2-port CAN bus Universal PCI Interface Board	
PISO-CAN200U-T		
PISO-CAN400U-D	4-port CAN bus Universal PCI Interface Board	2-7
PISO-CAN400U-T		
PCM-CAN100-D	1-port CAN bus PCI-104 Board	
PCM-CAN200-D	2-port CAN bus PCI-104 Board	
PCM-CAN200P-D	2-port CAN bus PC-104+ Board	
PISO-CM100U-D	Intelligent 1-port CAN bus Universal PCI Interface Board	2-8
PISO-CM100U-T		
<b>CAN bus Software</b>		
RTX CAN Driver	CAN bus RTX Driver for PCI series CAN board	2-8
LabVIEW CAN Driver	CAN bus LabVIEW Driver for PCI series CAN board	
DASYLab CAN Driver	CAN bus DASYLab Driver for PCI series CAN board	2-9
SocketCAN Device Driver	CAN bus Linux Driver for PCI series CAN board	
PISOCANX ActiveX Object	CAN bus ActiveX Object for PCI series CAN board	
NAPOPC.CAN DA Server	CAN bus OPC Server for PCI / USB / Ethernet / UART series CAN Module	
<b>CAN bus Power Meter</b>		
PM-2133-CAN	CAN bus 3 Phase Compact Power Meter	2-10
PM-2134-CAN	CAN bus 4 Loops 1 Phase Compact Power Meter	
<b>Accessories</b>		
CNT-CAN	CAN bus Connector	2-10