

# DeviceNet

## DeviceNet PCI Bus Board FDN(PCI)



**DeviceNet**  
CONFORMANCE TESTED™

This product has passed ODVA CONFORMANCE TESTED

- FEATURES**
- This board can be used for communicating with the master/slave machines in conformity with DeviceNet Release 2.0
  - I/O Communication (Polling, Bit Strobe, Change of State/Cyclic, Peer), Explicit Communication, and System Messaging are all supported
  - With the device definition tool, the communication parameter (communication type, sending cycle, sending data size and so on) of the connecting device can be easily set
  - This board features a 32-Bit RISC processor and supports high-speed I/O update cycle in 1024-Point per 10msec (when works at 250k/500kbps)

Driver software [FLB-DRV(DNX)] for Windows 2000/NT 4.0 included

### Hardware Specification

Item		Specification
Network	Number of DeviceNet Connection Channels	1ch
	Network Speed	Selectable data rates of 125kbps, 250kbps and 500kbps
	MAC ID	Selectable MAC ID of 0 - 63
	Max. number of connectable nodes	64(Include itself)
	Network Power Supply	11 - 25V [FDN(PCI) Received Voltage]
	Power consumption-current	60mA (Max.) (+24VDC)
	Connector for Connection	Open Plug Connector
Common	Hot Plug-In and Plug-Out	No (Neither network-power nor self-power)
	External dimensions (mm)	PCI Bus Short-size 176.4(L) x 107.0(H)
	consumption-current	DC+5V 1.1A
	Operating Requirements	0 - 50°C, 20 - 90% (No condensation)
	Weight	110g
	Number of boards that are used simultaneously	4 (max.)

### List of Supported Functions

Classification		Function		Remarks
I/O Communication Function	Base Part	Peer	Non-Fragment	
			Fragment	128byte Max.
		Master	Poll	
			Bit Strobe	
			Change of State/Cyclic	
			ACK Handler	
	Slave	PROXY		
		Fragment	128byte Max.	
		Poll		
		Bit Strobe		
Expansion Part	User Interface	Change of State/Cyclic		
		Fragment	128byte Max.	
	Data Exclusive Process	Memory	Cycle Event	
Explicit Communication Function	Data Exclusive Process	Exclusive	128byte Max.	
		Not Exclusive	4byte Max.	
	Client Function	Client Function	70byte Max.	
		Client Function (User Release)	70byte Max.	
		Server Function (In Protocol)	70byte Max.	
Connection Establishment/Opening (UCMM) Request	Connection Establishment/Opening (UCMM) Request			
	Connection Establishment/Opening (UCMM) Request (User Release)			
	Connection Establishment/Opening (UCMM) Response			
System Management Function	HeartBeat Sending			
	HeartBeat Receiving			
	Shutdown Sending			
	Shutdown Receiving			
	Dup Mac ID Detection			