TECHNICAL BULLETIN

[Title] Product discontinuation of CC-Link Ver.1 board   **[Date of Issue]** Oct, '05

[Relevant Models] A80BDE-J61BT11, A80BDE-J61BT13

Thank you for your continued support of Mitsubishi PC boards for general-purpose personal computers.

Production of the following CC-Link Ver.1 boards will be discontinued.

1. Models to be discontinued

Product name	Model	Remark
CC-Link Ver.1 board [*1]	A80BDE-J61BT11	For master/local station
	A80BDE-J61BT13	For local station

*1: CC-Link software package (SW4DNF-CCLINK-B) and the update product (SW4DNF-CCLINK-EV) that come with CC-Link Ver.1 board will also be discontinued.

2. Schedule

- Order acceptance and production transition period: Through February, 2006
- Order acceptance: Through May, 2006
- Production discontinuation: Through June, 2006

3. Reasons for discontinuing production

(1) Some parts of CC-Link Ver.1 board have been discontinued. Therefore, we will have difficulty to maintain the production system.

(2) Alternative (upward compatible) model (CC-Link Ver.2 board: Q80BD-J61BT11N) has been released (June, 2005).

4. Repair acceptance

- Repair acceptance: Through June, 2013 (For 7 years after production discontinuation)

5. Alternative model

When replacing the discontinued model with the alternative, pay attention to the precautions described on the next page. There is no need to change the user application.

Discontinued model	Alternative model	Remark
A80BDE-J61BT11	Q80BD-J61BT11N	Q80BD-J61BT11N is a CC-Link Ver.2 board for master/local station.
A80BDE-J61BT13		

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6. Precautions for replacing the discontinued model with the alternative

(1) Changing operating system (OS)

The alternative CC-Link Ver.2 board is not mountable on the PC installed either Microsoft® Windows® 95 Operating System or Microsoft® Windows® 98 Operating System.
Change the operating system with reference to the following table.

The following table shows the operating system compatible with each board of the discontinued and alternative models (All English version).

Operating system	Discontinued model	Alternative model
	A80BDE-J61BT11 A80BDE-J61BT13	Q80BD-J61BT11N
Microsoft® Windows® 95 Operating System	○ *1	×
Microsoft® Windows® 98 Operating System	○ *1	×
Microsoft® Windows NT® Workstation Operating System Version 4.0	○	○
Microsoft® Windows® 2000 Professional Operating System	○	○
Microsoft® Windows® XP Professional Operating System	○	○
Microsoft® Windows® XP Home Edition Operating System	×	○

○: Compatible   ×: Incompatible

*1: Compatible when used as a local station.

(2) When multiple CC-Link boards are mounted

All the boards must be of the same version.
Therefore, when multiple CC-Link Ver.1 boards are mounted on the same PC, replace them with the Ver.2 boards.

(3) Changing software package

When CC-Link Ver.2 board is mounted, use CC-Link Ver.2 board software package (SW1DNC-CCBD2-B).
(CC-Link Ver.1 board software package (SW4DNF-CCLINK-B) cannot be used.)
Uninstall the CC-Link Ver.1 board software package, and then install the CC-Link Ver.2 board software package.

(4) Transferring CC-Link parameter

The set parameter will be deleted after uninstalling CC-Link Ver.1 board software package.
To transfer CC-Link Ver.1 board parameter, backup the parameter using "Parameter backup/restore tool" *2 before uninstalling the CC-Link Ver.1 board software package.

*2: About "Parameter backup/restore tool"
     Parameter backup/restore tool is a dedicated tool for backuping and restoring CC-Link board parameters, and is stored in the SW1DNC-CCBD2 CD-ROM.

> **Point**
>
> When replacing the discontinued model to the alternative one, refer to the precautions of the following manual.
> Type Q80BD-J61BT11N CC-Link System Master/Local Interface Board User's Manual (For SW1DNC-CCBD2-B) Instruction manual number: SH (NA)-080527ENG

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7. Specifications comparison

Item	Specification		
	Q80BD-J61BT11N	**A80BDE-J61BT11**	**A80BDE-J61BT13**
Transmission rate	Selectable from 156kbps/625kbps/2.5Mbps/5Mbps/10Mbps		
Overall cable distance (maximum transmission distance)	1200m		
Maximum number of connected stations (master station)	64		
Occupied station count (local station)	In remote net Ver.1 mode: 1 or 4 station(s) In remote net Ver.2 mode: 1 to 4 station(s) In remote net additional mode: 1 to 4 station(s)	1 or 4 station(s)	
Maximum number of link points per system	Remote I/O (RX, RY): 8192 points Remote register (RWw): 2048 points Remote register (RWr): 2048 points	Remote I/O (RX, RY): 2048 points Remote register (RWw): 256 points Remote register (RWr): 256 points	

Remote station/local station/intelligent device station/standby master station Maximum number of link points per station	Remote I/O (RX, RY): 128 points
	   (Local station is 126 points.)
	Remote register (RWw): 32 points
	Remote register (RWr): 32 points
		Remote I/O (RX, RY): 32 points
		   (Local station is 30 points.)
		Remote register (RWw): 4 points
		Remote register (RWr): 4 points	

Communication method	Broadcast polling method		
Synchronous method	Frame synchronous method		
Encoding method	NRZI method		
Transmission path	Bus (RS-485)		
Transmission format	Conforms to HDLC		
Error control system	CRC $(X^{16} + X^{12} + X^5 + 1)$		
Connection cable	CC-Link dedicated cable/CC-Link dedicated high performance cable/ Ver.1.10 compatible CC-Link dedicated cable *[1]		
RAS function	• Auto return function • Slave station disconnect function • Error detection by the link special relay/register		
Number of boards that may be used in one system	Maximum 4 *[2]		
Loading slot	PC PCI bus slot (half size)	PC PCI bus slot	
PCI bus specifications	32-bit bus Basic clock: 33MHz 5V DC +5% PCI standard Rev.2.2	32-bit bus Basic clock: 33MHz 5V DC +5% PCI standard Rev.2.1	
Occupied slot	1 slot		
5 V DC internal current consumption	0.56 A	0.4 A	
Weight	0.11 kg	0.16 kg	

*1: The CC-Link dedicated cable and CC-Link dedicated high performance cable cannot be used together.

*2: Using the CC-Link Ver.2 board and the CC-Link Ver.1 board in the same computer is not allowed.