



ControlLogix ControlNet Interface Module

Catalog Nos. 1756-CNB and 1756-CNBR
Series D, Release 5.21

Use These Release Notes

These release notes describe changes in release 5.21 of the ControlLogix ControlNet interface modules, catalog numbers 1756-CNB and 1756-CNBR.

Use these release notes with your ControlLogix ControlNet Interface Module User Manual, publication 1756-6.5.3, December 1999.

Requirements

You **must** use Version 2.22.18 or above of RSNetworkx for ControlNet for systems with Series D 1756-CNB modules.

For systems using a mixture of Series B and Series D 1756-CNB modules, the Series B modules must be at version 2.24 or greater. Do not mix Series A and Series D CNB modules.

The Series D module uses new hardware and cannot be flash upgraded from Series A or Series B.

Enhancements

The Series D module boasts these enhancements:

- increased Receive Buffers to 20
- improved internal data update mechanism to increase performance
- added module redundancy support

Upgrade Your System

We recommend these steps when replacing an existing Series A or Series B 1756-CNB module with a Series D module.

Upgrade Process: Series B to Series D

1. Save/Upload all your files with existing version of RSLogix5000.
2. Upgrade Software: RSNetworkx for ControlNet v2.22.18 as defined in their specific release notes. RSLogix 5000 should already be at v2.25 or above.
3. Replace the 1756-CNB Series B module(s) with Series D module(s) in your ControlNet network.
4. Open the appropriate projects in RSLogix 5000 software. Validate that module keying for the replacement CNB is set to 'Disable'.

If **yes**, proceed.

If **no**, convert. Download converted program to processors. Save to disk.

5. Run RSNetworkx for ControlNet, open program, go on line, enable edits, survey the network, and save.
6. Validate all solid green lights to confirm that the produced consumed tags are functional. Solid green lights indicate that all connections are made: I/O and Produce consumed tags.
7. Update controller organizer tree in RSLogix5000 to show Series D CNB modules and to ensure that all parameters, such as keying and RPI, are set up as intended.

Upgrade Process: Series A to Series D

1. Save/Upload all your files with existing version of RSLogix 5000.
2. Upgrade Software: RSLogix 5000 to v2.25 or above, and RSNetworkx for ControlNet v2.22.18 as defined in their specific release notes.
3. Flash upgrade Logix 5550 processor so it is compatible with the version of RSLogix5000. For assistance, contact Technical Support.
4. Replace CNB Node 1 of the ControlNet network.

If Node 1 of the network is not a CNB module, it must be a multi-keeper capable device. For assistance, contact Technical Support.

5. Replace remaining CNB modules.
6. Open the appropriate projects in RSLogix 5000 software. Validate that module keying for the replacement CNB is set to 'Disable'.

If **yes**, proceed.

If **no**, convert. Download converted program to processors. Save to disk.

7. Run RSNetworkx for ControlNet, open program, go on line, enable edits, survey the network, and save.
8. Validate all solid green lights to confirm that the produced consumed tags are functional. Solid green lights indicate that all connections are made: I/O and Produce consumed tags.
9. Update controller organizer tree in RSLogix5000 to show Series D CNB modules and to ensure that all parameters, such as keying and RPI, are set up as intended.

Technical Support

Please direct all questions to Rockwell Automation Technical Support at 440-646-6800.

AB Parts

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