

ALLEN-BRADLEY CONTROLLOGIX

1756-DNB

DeviceNet Bridge / Scanner Module

PRODUCT ROLE	NETWORK	CHASSIS	MAXIMUM NODES
Bridge and scanner	DeviceNet	ControlLogix	64

Complete product overview

ControlLogix integration

Installs in a ControlLogix chassis slot and exchanges network data with the controller project.

DeviceNet scanning

Coordinates cyclic input and output data for configured DeviceNet nodes.

Configuration control

Uses a documented node address, data rate, scan list and I/O mapping.

Diagnostics

Supports module and network-status checks during start-up and maintenance.

Allen-Bradley 1756-DNB connects a ControlLogix controller to DeviceNet devices for configuration, control and cyclic data exchange. Confirm the installed series and approved controller project before commissioning.

Technical data dashboard

Communication rate 125 / 250 / 500 Kbps	Maximum nodes 64	Backplane current 400 mA at 5.1 V DC	DeviceNet current 60 mA at 24 V DC
DeviceNet voltage 11...25 V DC Class 2 / SELV	Power dissipation 3.5 W	Operating temperature 0...60 deg C	Relative humidity 5...95%, noncondensing

Configuration map

Physical installation	Network setup	Controller project
ControlLogix chassis slot DeviceNet connector Network power	Unique node address Matching data rate Verified scan list	Correct module series Approved I/O mapping Verified controller tags

Applications

DeviceNet I/O scanning Cyclic data exchange between the controller and configured field nodes.	Device configuration Node addressing, data-rate selection and approved scan-list setup.	Controller data exchange I/O assemblies and controller tags mapped to the installed devices.	Network maintenance Replacement verification and diagnostics for an existing DeviceNet segment.
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System pairing

ControlLogix chassis	1756-DNB	DeviceNet segment	Field nodes
Hosts the controller and communication module	Bridges controller data to DeviceNet	Carries network power and communication	Exchange configured I/O and diagnostic data

Product precautions

1. Verify identity Confirm the exact 1756-DNB catalog and series marking.	2. Isolate power Remove chassis and DeviceNet power before wiring or removal.	3. Match data rate Use the communication rate installed on the DeviceNet network.	4. Set node address Assign a unique address before placing the module online.
5. Confirm chassis slot Match the physical slot to the controller project.	6. Inspect wiring Verify connector polarity, cable condition and network power.	7. Verify project Review the scan list, I/O map and controller tags.	8. Accept operation Confirm module and network status before release.

Commissioning acceptance

Confirm the online node list, representative input and output points, controller response and final module status. Retain the approved project and replacement record.

Documentation and support

Official product record

Rockwell Automation 1756-DNB product page.

Technical data

Publication 1756-TD003Q-EN-E.

Installation instructions

Publication 1756-IN065.

Apter Power reference

Model-specific technical and commissioning summary.

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PRODUCT IDENTITY

Allen-Bradley 1756-DNB
ControlLogix DeviceNet Bridge / Scanner Module

Confirm the physical nameplate and current Rockwell Automation documentation before installation or replacement.



SCAN ON WHATSAPP