



**Allen-Bradley**  
by ROCKWELL AUTOMATION

Catalog #: 1756-DNB  Best Selling

ControlLogix DeviceNet Comms Module

Lifecycle status: ACTIVE

## Technical Specifications

### Electrical

Suitable for safety functions	Yes
With optical interface	No
Supporting protocol for TCP/IP	No
Supporting protocol for DeviceNet	Yes
Supporting protocol for other bus systems	No
Redundancy	No
IO link master	No
Supporting protocol for DeviceNet Safety	Yes
Supporting protocol for EtherNet/IP	No
Power dissipation	3.5 W
Thermal dissipation	11.9 BTU/h
Enclosure type rating	None (open-style)
Number of nodes, max	64 nodes
DeviceNet current draw	60 mA @ 24V DC
Current draw	400 mA @ 5.1V DC, 0 mA @ 24V DC
Wiring category	1 - On DeviceNet ports, 3 - On USB ports
Communication rate	125 Kbps (500 m max), 250 Kbps (250 m max), 500 Kbps (100 m max)

Isolation voltage	50V (continuous), basic insulation type, DeviceNet network to backplane, Type tested at 853V AC for 60 s, No isolation between USB and backplane,
Supporting protocol for LON	No
Supporting protocol for ASI	No
Supporting protocol for PROFIBUS	No
Supporting protocol for CAN	No
Supporting protocol for INTERBUS	No
Supporting protocol for KNX	No
Supporting protocol for Modbus	No
Supporting protocol for Data-Highway	No
Supporting protocol for SUCONET	No
With potential separation	No
Supporting protocol for SERCOS	No
Supporting protocol for INTERBUS-Safety	No
Radio standard Bluetooth	No
Radio standard Wi-Fi 802.11	No
Supporting protocol for AS-Interface Safety at Work	No
Supporting protocol for Foundation Fieldbus	No
Supporting protocol for PROFINET CBA	No
Supporting protocol for PROFINET IO	No
Supporting protocol for PROFIsafe	No
Supporting protocol for SafetyBUS p	No
Radio standard GPRS	No
Radio standard GSM	No
Radio standard UMTS	No
Slot width	1
DeviceNet connector torque	0.56 Nm
DeviceNet voltage range	11...25V DC CL 2/SELV
DeviceNet port	1 DeviceNet open-style 5- or 10-pin linear plug
DeviceNet power	To comply with the CE low voltage directive (LVD), the DeviceNet network must be powered from a source compliant with the safety extra low voltage (SELV) or protected extra low voltage (PELV). To comply with UL restrictions, the DeviceNet network must be

Environmental	Surrounding air temperature, max	60 °C
	Emissions	CISPR 11: Class A
	Vibration	2 G @ 10...500 Hz
	ESD immunity	6 kV contact discharges, 8 kV air discharges
	EFT/B immunity	±3 kV at 5 kHz on DeviceNet ports
	Relative humidity	5...95% noncondensing
	Shock	Operating: 30 G, Non operating: 50 G
	Conducted RF immunity	10Vrms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz
	Surge transient immunity	±2 kV line-earth (CM) on ControlNet ports
	Operating temperature	0 to 60 °C
	Radiated RF immunity	10 V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz, 10 V/m with 200 Hz 50% Pulse 100% AM @ 900 MHz, 10 V/m with 200 Hz 50% Pulse 100% AM @ 1890 MHz, 3 V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz
	Storage temperature	-40 °C
Certification	North American temperature code	T4A
	IEC temperature code	T4
Mechanical	Module location	Chassis based, any slot

## Certifications

- China CCC
- Safety
- ATEX
- Australian RCM

*This product was certified with the above certifications as of 2024-06-27. Products sold before or after this date might carry different certifications. Please review the product label to check for the certifications your specific product carries.*



