



Catalog #: 1756-CN2
ControlLogix Communication Module

Lifecycle status: End of Life

Rockwell Automation announces that as of December 31, 2024, the ControlLogix Communication Module will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date:	December 31, 2024
Replacement Category:	Engineering Replacement
Replacement Product:	1756-CN2 [https://www.rockwellautomation.com/en-us/products/details.1756-CN2.html]

Technical Specifications

Electrical

With optical interface	No
Supporting protocol for TCP/IP	No
Supporting protocol for DeviceNet	No
Supporting protocol for other bus systems	Yes
Redundancy	No
IO link master	No
Supporting protocol for DeviceNet Safety	No
Supporting protocol for EtherNet/IP	No
Transmission rate	5000 kbps
Power dissipation	5.1 W
Thermal dissipation	17.4 BTU/h
ControlNet port	1 ControlNet BNC
Enclosure type rating	None (open-style)
Number of nodes, max	99 nodes
Current draw	970 mA @ 5.1V DC, 1.7 mA @ 24V DC

ControlNet cable	1786-RG6 quad shield RG6 coaxial cable
Wiring category	1 - on ControlNet ports, 3 - on NAP ports
Connections supported, max	64 maximum
Isolation voltage	Standard: 30V (continuous), basic insulation type, ControlNet network to, backplane, Redundant: 30V (continuous), basic insulation type, ControlNet A/B to, backplane, and ControlNet A to ControlNet B, USB to backplane and USB to ControlNet, No isolation b
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 PROFI-safe	No
Supporting protocol for SafetyBUS p	No
Radio standard GPRS	No
Radio standard GSM	No
Radio standard UMTS	No
Slot width	1
Logix communication connections range	40...48
NAP cable	1786-CP

NAP port	1 NAP RJ45
Surrounding air temperature, max	60 °C
Storage temperature	-40 to 85 °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 ControlNet ports
Relative humidity	5...95% noncondensing
Shock	Operating: 30 G, Non operating: 50 G
Conducted RF immunity	10V rms 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

Environmental

Certification

North American temperature code	T4A
IEC temperature code	T4

Mechanical

Weight, approx	0.26 kg
Module location	Chassis based, any slot

Documentation

For all available documentation, please see the [literature results](#).

Certifications








- UL Listed
- UL Listed Hazardous
- ODVA
- Australian RCM
- ATEX

- China CCC
- CE
- CSA Listed
- CSA Listed Hazardous
- Eurasian Economic Community
- Korean KC
- Bureau Veritas
- FM Approved Haz
- Registro Italiano Navale
- Safety

This product was certified with the above certifications as of 2024-06-26. 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.



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