Allen-Bradley 1768-CNB product image

Allen-Bradley
by ROCKWELL AUTOMATION

Catalog #: 1768-CNB

CompactLogix L4X ControlNet Module

Lifecycle status: DISCONTINUED

Rockwell Automation announces that as of January 31, 2020, the CompactLogix L4X ControlNet Module will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date: January 31, 2020
Replacement Category: Engineering Replacement

Technical Specifications

Electrical

Number of HW-interfaces industrial Ethernet	1
Suitable for safety functions	No
With optical interface	No
Supporting protocol for TCP/IP	No
Supporting protocol for DeviceNet	No
Supporting protocol for other bus systems	No
Redundancy	No
IO link master	No
Supporting protocol for DeviceNet Safety	No
Supporting protocol for EtherNet/IP	No
Type of data transmission	Other
Logix communication connections	48
Power dissipation	5.14 W
Thermal dissipation	17.5 BTU/h
Configuration	Standard
Enclosure type rating	None (open-style)
Number of nodes, max	99 nodes

Current draw	1 A @ 5.2V DC
ControlNet cable	Quad shield RG6 coaxial cable
Ports	1 ControlNet BNC, 1 ControlNet RJ45
Wire category	2 - on communication ports
Isolation voltage	30V (continuous), functional insulation type, ControlNet to backplane, No isolation between NAP and Backplane, Type tested at 500V AC for 60 s, ControlNet network to system
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
ControlNet communication rate	5 Mbit/s

Mechanical

Width	56.7 mm
Height	132 mm
Depth	105.1 mm
Weight, approx	0.26 kg
Module location	DIN rail or panel mount
Mounting screw torque	1.16 Nm (10 lb.in) - use M4 or #8 screws

Environmental

Surrounding air temperature, max	60 °C
Emissions	CISPR 11 (IEC 61000-6-4): Class A
Vibration	5 G @ 10...500 Hz
ESD immunity	6 kV contact discharges, 8 kV air discharges
EFT/B immunity	±2kV at 5 kHz on communications ports
Relative humidity	5...95% noncondensing
Shock	Operating: 30 G
Conducted RF immunity	10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz
Surge transient immunity	±1 kV line-earth(CM) on communications ports
Nonoperating temperature	-40 to 85 °C
Operating temperature	0 to 60 °C
Radiated RF immunity	10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz, 10V/m with 200 Hz 50% Pulse 100% AM at 900 MHz, 10V/m with 200 Hz 50% Pulse 100% AM at 1890 MHz, 10V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz

Certification

North American temperature code	T4A