

Allen-Bradley 1769-ASCII Manual

Brand	Allen-Bradley
Product Series	1769
Product Type	Specialty module

Description

The 1769-ASCII provides connection to ASCII compatible devices. This module has Two (2) ports, individually configured for exchanging data via ASCII protocol. This module is compatible for use with 1769 CompactLogix or MicroLogix 1500 Controller.

Technical specifications for 1769-ASCII

Manufacturer Rockwell Automation / Allen-Bradley

Brand Allen-Bradley

Part Number/Catalog No. 1769-ASCII

Product Type: Specialty module

Product Line CompactLogix

Description: ASCII communication module

Module Type Communication Interface Module

Mounting: Chassis mount; DIN Rail or Panel

Power Rating: 425mA @ 5Vdc

Shipping Weight 2 lbs.

CompactLogix Power Supply Distance Rating: 4

Power Dissipation, Max: 2.13 Watts

Shipping Dimensions 8 x 8 x 5 in.

Thermal Dissipation: 7.3 BTU/hr.

Series A and B

Handshaking RTS/CTS Hardware Handshaking Enabled

Temperature Range: 0-62 deg. C (32 to 140 deg. F)

Input Words 108

Isolation Voltage 30 Volts Continuous

Backplane Current 1.4 Amps at 24 Volts

Configuration Words: 31

Power Consumption 33.6 Watts

Number of Inputs: 2 full duplex (RS-232, RS-422) 2 half duplex (RS-485)

Power Dissipation 7.5 Watts

Serial Input Voltage Signal: 3...25V dc with respect to signal ground (SG) "0", Asserted, ON, Space, Active -3...-25V dc with respect to signal ground (SG) "1", Disasserted, OFF, Mark, Inactive

Recommended cable: Belden 8761 (Shielded)

UPC 10612598314239

Serial Port status: TX FIFO overflow, RX FIFO overflow, RX parity error, handshake error, new data flag

UNSPSC 32151705

Transmits Transaction ID: 0...255 Description

The Allen-Bradley 1769-ASCII is a 1769 CompactLogix and MicroLogix 1500 compatible module. This specialty provides connection to devices that supports American Standard Code for Information Interchange (ASCII) protocol. Typical devices that utilize this protocol are Barcode Readers which are commonly installed in factory automation applications.

The 1769-ASCII has Two (2) individually isolated ASCII ports. Each port may function simultaneous at different configuration and

communicate to different set of devices. The ASCII ports are capable of being configured as alternating mode or dual simultaneous mode and can be used as RS233 / RS422 (Port1) and RS485 (Port 2) independently.

The 1769-ASCII has a power supply distance rating of 4 modules. This means that the module must be installed not more that Four (4) modules away from the 1769 CompactLogix Power Supply. It is backplane powered and may connect to any adjacent module including the 1769 CompactLogix Controller. In a MicroLogix system, the module is installed beside the base unit or to an adjacent 1769 Compact module. In both instances, the module does not require an external power supply.

The Allen-Bradley 1769-ASCII module provides Two (2) independent channels for ASCII devices. The 1769-ASCII has Two (2) DB-9 male serial port that provides communication interface to other ASCII devices. These serial ports are isolated from the backplane and may be operated individually. The module's serial input voltage signal is 3-25V DC on signal ground 0 when active and 3-25 V DC on signal ground 1 when inactive. It has a 425mA bus current at 5V DC and a maximum power dissipation of 2.13 W. The 1769-ASCII has a maximum Thermal Dissipation of 7.3 BTU/hr. It has isolation voltage of 30V and tested to withstand 710V DC for 60 s. Its serial port statuses are TX, FIFO, /RX, FIFO overflow, RX parity error, handshake error, and new data flag. The 1769-ASCII has an RTS/CTS hardware handshake enabled. The 1769-ASCII module's operating temperature is 0-60 deg. Celsius. When storing this product as a spare, the storage temperature shall be -40-85 deg. Celsius. The device must be operated in an environment with 5-95% relative humidity, operating vibration of 5g at 10-500 Hz, operating shock of 30g, and non-operating shock of 50g. The 1769-ASCII has dimensions of 87 x 34 x 118 mm and weighs 0.18 kg. Mfr. Part Number:

1769-ASCII

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1769-ASCII CompactLogix 2 Ch RS232/RS485/RS422 ASCII Module

Full Description: Allen-Bradley 1769-ASCII CompactLogix 2 Channel RS232/RS485/RS422 ASCII Module, Number of Inputs: 2 full duplex (RS-232, RS-422), 2 half duplex (RS-485)

UPC / GTIN: 10612598314239

Status: Current Product

www.AutoDCSTech.com

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