

V100-17-CAN,V100-S-CAN CANbus Module

This guide provides specifications for Unitronics' communication module V100-17-CAN, V100-S-CAN.

You can find additional information, such as wiring diagrams, in the product's installation guide located on the Unitronics' Setup CD and in the Technical Library at www.unitronics.com.

V100-17-CAN,V100-S-CAN

Use this CANbus module to create a decentralized control network using CAN protocols:

- CANopen: 127 controllers or external devices
- Unitronics' proprietary UniCAN: 60 controllers, (512 data bytes per scan)

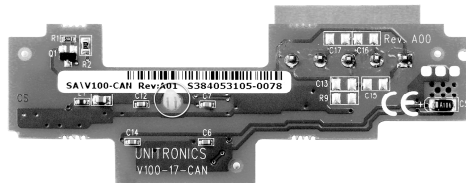
The CANbus port is galvanically isolated.

Standard Kit contents

V100-17-CAN ,V100-S-CAN

5-pin CANbus connector

Termination resistor



V100-17-CAN, V100-S-CAN Technical Specifications

CANbus port	1	
Nodes	CANopen	Unitronics' CANbus protocols
	127	60
Power requirements	24VDC ($\pm 4\%$), 40mA max. per unit	
Galvanic isolation	Yes, between CANbus and controller	
Cable type	Twisted-pair; DeviceNet® thick shielded twisted pair cable is recommended.	
Cable length/baud rate	25 m	1 Mbit/s
	100 m	500 Kbit/s
	250 m	250 Kbit/s
	500 m	125 Kbit/s
	500 m	100 Kbit/s
	1000 m*	50 Kbit/s
	1000 m*	20 Kbit/s
Weight	9.2g (0.32 oz)	

Environment

Relative Humidity (RH)	10% to 95% (non-condensing)	
	<u>V100-17-CAN</u>	<u>V100-S-CAN</u>
Operational temperature	0 to 50°C (32 to 122°F)	-30 to 60°C (-22 to 140°F)
Storage temperature	-20 to 60°C (-4 to 140°F)	-30 to 60°C (-22 to 140°F)

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