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Orbit[®] 104+ Network

AMETEK
ULTRA PRECISION TECHNOLOGIES

Datasheet
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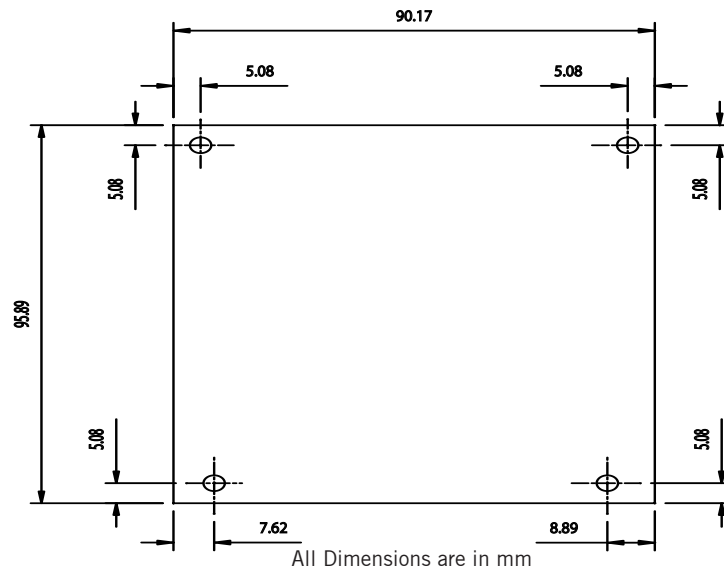
Features

- PC/104 Plus bus
- 2 Channels, connectable up to 62 modules
- Dynamic and standard measurement modes supported
- Up to 3096 probe reading per second
- Self stacking cage
- Pin and Socket bus connector
- Four corner mounting holes
- Low power consumption

Description

The Orbit104+ Orbit Network Controller Card was conceived to assist those users with industrial control systems featuring stackable PC104 architecture with a way to connect Solartron's digital probes and other Orbit based devices.

The Orbit104+ card has similar functionality as the Orbit PCI card but has the added advantage that multiple cards can be added to the system without the need for any special slots (such as in the case of PCI and ISA). The new Orbit104+ allows ease of connection of up to 62 digital probes or sensing modules and the Orbit protocol can control up to 6 Orbit104+ cards. Each sensing module is individually identified under Orbit, furthermore, each Orbit digital probe is a traceable device that carries its unique identity and calibration parameters.



Technical Specification

Computer Interface	
BUS	PC 104 +
Operating System	Microsoft Windows ®
Network Interface	
Signal	RS485
Protocol	Orbit
Number of external Orbit modules (with external PSIM) ¹	Up to 62
Number of external Orbit modules (without external PSIM) ²	Dependent on PC 104 connector
Baud Rate	187.5KB or 1.5MB
Measurement Modes supported	All modes
Network Interface	
Computer connections	PC104 + Standard connection
Environmental	
Operating Temp. Range (°C)	0 to +60
Storage Temp. Range (°C)	-20 to +85
IP Rating	IP43

¹ 1 PSIM required per channel

² The specifications quoted are dependent on the power available from the computer in use.

³ Orbit Modes are explained in the Technologies section of the Solartron Metrology catalogue.

Part Number
911358