

SpaceLogger.S100C

- ▶ Continuous, automatic recording of serial data from sensors and equipment
- ▶ Enables cloud data storage via the logger's wired ethernet connection
- ▶ 2 ports for RS232/422/485 inputs
- ▶ Real-time clock, with battery back-up, for date and time stamping of data
- ▶ DIN rail mounting provision
- ▶ Compact, economical and robust design
- ▶ OEM customisation – talk to us about your application



Overview

The SpaceLogger.S100C is an ethernet connected serial data logger that facilitates cloud data storage with real-time data viewing from any internet connected device.

This provides for reliable remote viewing of data from sensors or machinery without the potentially unacceptable downtime likely to occur when using Wi-Fi. Particularly relevant to applications handling safety critical data.

The SpaceLogger.S100C has the advantage of allowing you to simultaneously monitor and record from 2 sources: one port is for RS232/422/485 data, and the second port is for RS232 data. The logger has the ability to record data at up to around 5000 bytes/second, which is date and time stamped.

If the logger's ethernet connection is temporarily unavailable this is not an issue as the data would be stored on the loggers microSD card and automatically transferred to the LAN/Cloud on re-connection.

The SpaceLogger.S100C is a small compact device, with very low power consumption, that can be directly DIN rail mounted or can be supplied with an ABS mounting plate.

The SpaceLogger.S100C is designed to be fully customisable to suit a diverse range of OEM requirements. Please talk to us about your application.

Applications

Typical S100C data logging applications include:

- Air quality systems
- Manufacturing systems
- Communications equipment
- Water, wastewater & gas systems
- Energy management
- Agriculture and horticulture
- Equipment operation verification
- Logistics
- Weighing systems
- Security systems
- Back-ups of sensitive data
- Education & Research projects

Data Logger Range

Richard Paul Russell Ltd offers a range of data loggers including standalone, wireless and LAN connected. Please see our website www.r-p-r.co.uk

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SpaceLogger.S100C Specification

Physical	Dimensions	Width: 100 mm Height: 80 mm Depth: 22 mm
	Weight	100g
	Enclosure materials	ABS with polycarbonate cover
	Mounting	35mm DIN rail mount, plus optional abs base plate mount
Serial Data Input	Number of channels	2
	Transmission standard	Port 1: RS232 or RS422/485, Port 2: RS232
	Transmission speed	2,400 to 115,200 baud
	Flow control	Port 1: Hardware (RTS/CTS) or software flow control
	Connection	14-way pluggable terminal block, 9-way D-type or OEM specific – talk to us to discuss your equipment's compatibility
LAN Connectivity	Wired connection	RJ45 connector 10/100 Base-T
Data visibility	Data access	Cloud storage & access capable
Device Data Storage	Data Storage Card	Removable micro SDHC/SDXC card
	Data Capacity	Capacity of micro SDHC/SDXC card installed (max. 32GB) 8GB micro SDHC supplied as standard
	Card removal	Buffer purge button
Audible / Visual Indicators	LED Indicators	Micro SDHC card status: Bi-colour red/green Data/LAN connectivity status: Bi-colour red/green
	Audible Bleeper	Status alert
Real Time Clock	Accuracy	±40 ppm at 25 °C
	RTC back-up battery	CR2032
Power	Power requirement	5 Vdc ±10%
	Current at 5Vdc	200 mA typical
	Connection	Micro USB connector, 14-way pluggable terminal block
Environmental	Temperature Range	Operating: -25 °C to +70 °C Storage: -40 °C to +70 °C CE marked - EMC directive 2014/30/EC
	Emissions	EN 55032:2015 CISPR 32:2015, Class B EN 60945:2002 CISPR 16-1:1999, Class B EN 61000-3-2:2014 Class A EN 61000-3-3:2013 FCC/CFR 47: Part 15:2017 ANSI C63.4:2014, Class A Canadian Standard ICES-003:Issue: CISPR 22:2008
	Immunity	EN 55024:2010 EN 61000-4-2:2009, EN 61000-4-3:2006 incl A1:2008 & A2:2010, EN 61000-4-4:2012, EN 61000-4-5:2012, EN 61000-4-6:2014, EN 61000-4-11:2010 WEEE Directive 2012/19/EU RoHS Directive 2011/65/EU
Guarantee	Period	1 year warranty

The manufacturer reserves the right to amend the specification and therefore the information in this document may be subject to change.