

Product Brochure JDL-SIGFOX-16



Overview

JDL-SIGFOX-16 is the general purpose datalogger with Sigfox communication and internal network router. It provides many kinds of DIO (digital I/O), AIO (analog I/O) and RS-485 interface. Its webserver allows easy-to-use parameter configurations remotely.

Specifications

General Specifications	
Communications	Sigfox with SMA antenna
	4G LTE with SMA antenna
	Wi-Fi with SMA antenna (for configuration only)
	WAN/LAN Gigabit Ethernet
Input Power Supply	12-24 VDC
Interfaces	RS485 x 1 port
	RJ-45 Ethernet x 2 port

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	4-20 mA input x 4 port
	Digital input (dry contact) x 3 port
	SDI-12 x 1 port
Operating Temperature	0 to 60 degree Celsius
Operating Humidity	20 - 95 % RH
Display	4-digit seven-segment x 4 module20
Frequency	920 - 925 MHz

CPU Specifications

Operating System	Non-OS
CPU	ESP32-S3 32-bit
CPU Clock	240 MHz
Memory	8 MB
Storage	16 MB

Router Specifications

CPU	32-bit MediaTek MT7621A
CPU Clock	880 MHz, Dual-Core
Memory	256 MB
Storage	16 MB
VPN	Support
LTE Category	CAT1
Operating System	RouterOS

Sigfox Specifications

Range	5 - 10 Kilometers
Output Power	14 dBm
Resilience to interferers	Anti-jamming capabilities due to Ultra Narrow Band

Wi-Fi Specifications

Protocol	IEEE 802.11 b/g/n
Frequency	2.4 GHz - 2.5 GHz

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