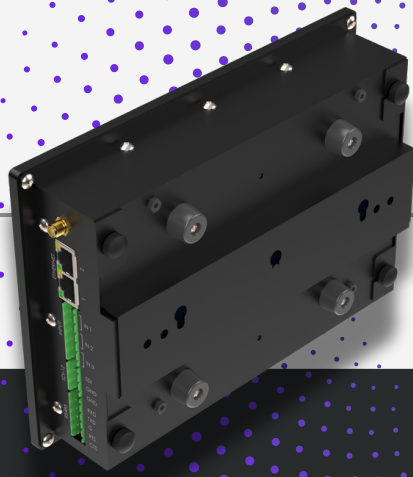


PRODUCT BROCHURE

JDL-SIGFOX-16 DATALOGGER





INTRODUCTION

JDL-SIGFOX-16

DATALOGGER

JDL-SIGFOX-16 is the general purpose datalogger with LPWAN communication and internal network router (LTE). It has a built-in LPWAN Gateway support connection of devices and sensors without using extra gateways and 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.

JDL-SIGFOX-16

DATALOGGER

SPECIFICATIONS

General Specifications :

Input Power Supply	12-24 VDC
Communications	LPWAN with SMA antenna
	Wi-Fi with SMA antenna (for configuration only)
	4G LTE with SMA antenna
Interfaces	RS485 x 1
	SDI-12 x 1
	DI x 3
	4-20 mA analog input x 4
	RJ-45 Ethernet x 2
Display	7" TFT LCD
Operating Temperature	0 to 60 degrees Celsius
Operating Humidity	20 - 95 % RH

JDL-SIGFOX-16

DATALOGGER

SPECIFICATIONS

CPU Specifications :

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

Router Specifications

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

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SPECIFICATIONS

LPWAN Specifications :

Frequency	920-925 MHz
Output Power	14 dBm
Range	5 - 10 Kilometers
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