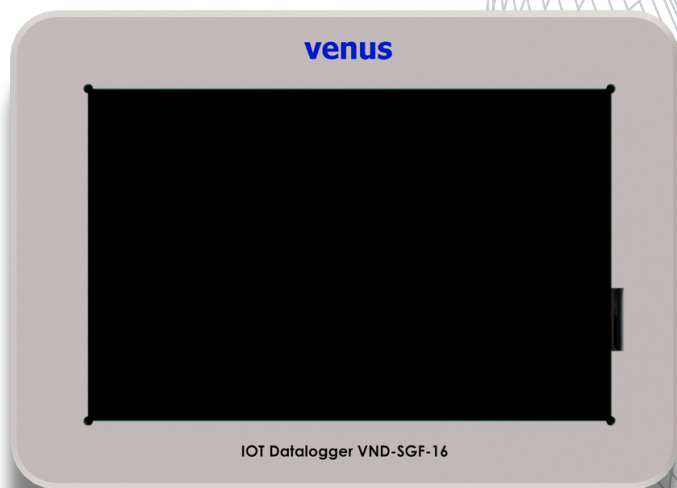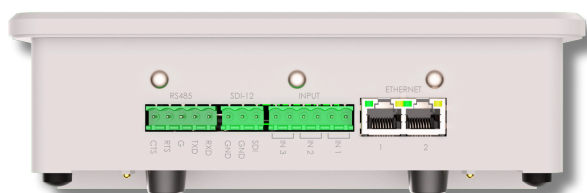# IOT DATALOGGER
VND-SGF-16

Venus Supply Co., Ltd.
66/3 Thetsaban-Rangsan-Nau Rd., Ladyao, Chatuchak, Bangkok 10900 Thailand
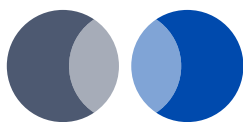www.venusintell.com
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IOT Datalogger VND-SGF-16

VND-SGF-16

Overview

VND-SGF-16 is a smart IoT datalogger with LPWAN communication, offering anti-jamming capabilities through the intrinsic ruggedness of Ultra Narrowband (UNB) technology, combined with spatial diversity provided by the base stations and 4G communications (LTE). It has an LPWAN Gateway included which supports multiple sensor devices. It does not require an additional gateway and comes with rich peripherals including RS485, SDI-12, 4–20 mA, dry contact, making it suitable for various monitoring applications. The TFT LCD screen displays a variety of status indicators.

IOT DATALOGGER
VND-SGF-16

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	MediaTek MT7621A
CPU Clock	Dual-Core 880 MHz
Memory	256 MB
Storage	16 MB
VPN	Support
Operating System	RouterOS
Connectivity	Support 4G module interface of mini PCIe
LTE Category	CAT1

IOT DATALOGGER
VND-SGF-16

SPECIFICATIONS

General Specifications :	
Input Power Supply	12-24 VDC
LPWAN Frequency	920-925 MHz
LPWAN Range	up to 10 kilometers
Communications	4G LTE
	Wi-Fi
Connector	SMA antenna x 2
Interfaces	RS485 x 1
	SDI-12 x 1
	Dry Contact (Digital Input) x 3
	4-20 mA input x 4
	Ethernet x 2
Display	7" TFT LCD
Operating Temperature	0 to 60 degrees Celsius
Operating Humidity	20 - 95 % RH