Data Sheet Wildeye 3G/4G IoT Logger

Description

The Wildeye is a revolutionary device that connects meters & sensors directly to your phone - out of the box.

Connect your Wildeye to any compatible meter or sensor in 3G or 4G coverage and continuously monitor sensors and meters, control remote pumps and valves, and generate alerts and reports.

Wildeye comes with a website subscription that allows you to view data on graphs, dashboards or map views, and to configure and control your fleet of devices.

Features

- Connect any meter or sensor
- IP68 Waterproof
- SIM card builtin for Verizon or AT&T connectivity
- Rechargable version runs directly from solar panel
- Long-life version lasts up to 6 years
- Power from any 8-30V DC power source
- Waterproof external battery packs available to boost lifetime
- Monitor up to 12 meters/sensors from a single wildeye
- Add extra sensors with Expander modules



Wildeye 3G/4C IoT logger - rechargeable, 2 plug version with example iPhone app screenshot

MODEL EXAMPLE	MODEL -	<u>сомм</u> я	- POW				
соммя	DESCRIPTION		CABLE	CHANNELS	CABLE	CHANNELS	
М	4G (CatMl)	_	NCD	1 x Counter, 1 x Tamper Line	NCD ¹	1 x Counter, 1 x Tamper Line	
E	3G (UMTS)		NAC	1 x 4-20mA, 1 x Counter	NAC	1 x 4-20mA, 1 x Counter	
			NAS	1 x 4-20mA, 1 x SDI12	NAS	1 x 4-20mA, 1 x SDI12	
			NACS	1 x 4-20mA, 1 x Counter, 1 x SDI12	NACS ¹	1 x 4-20mA, 1 x Counter, 1 x	
POWER	DESCRIPTION •		NAR4	1 x 4-20mA, 1 x RS485	NAC5	SDI12	
R	External Power, Rechargeable		NCCS	2 x Counter, 1 x SDI12	Neter	Notes 1. NCD, NAC and NACS types not available on plug #2 if Plug #1 is NCCS or NCCS5	
В	Internal Battery		NCCS5	2 x Counter, 1 x SDI12 (5V Output)			
			Т	1 x NTC Thermistor			

Model Numbering System

Wildeye USA 5811 E. Princeton A Fresno, CA 93727 (559) 290-7015 Wildeye Australia Unit 1, 316 Onslow Road Shenton Park, WA 6008 1300 WILDEYE Wildeye New Zealand 16 York Street Parnell, Auckland 0800 WILDEYE



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Hardware

Analog Inputs

Channels	max 2 native
	(up to 12 with expanders)
• Туре	0-20mA, 0-5V, 10K Resistance
 Accuracy 	0.1%
Electrical	0-20mA, single ended
 Switched Power (SPO) 	200mA Max, 12V
Pulse Counter Inputs	
Channels	max 2 native
 Open-circuit voltage 	2.8 V
 Close circuit voltage thresh- old 	1.2 V
Input Impedance	1 MOhm
 Minimum Pulse Width 	20 ms
Maximum Frequency	25 Hz
Datalogger	
 Max Datapoints capacity 	3G: 4000 Datapoints
	4G: 10000 Datapoints
Channel Sampling Rate	max 1 min per channel
Digital Interfaces	
 Types Supported 	Native: SDI-12, RS-485 (half

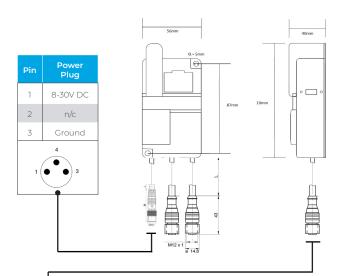
 Types Supported 	Native: SDI-12, RS-485 (haif duplex)
	with Expander: RS-232, TTL
 SDI-12, RS-485 Connections 	Max 12

Physical

 Size 	4.33in x 2.17in x 1.58in		
	(110mm x 55mm x 40mm)		
 Weight 	9 oz (255g)		
 Operating Temperature 	23 °F to 140 °F (-5 °C to 60 °C)		

Telecommunications

 3G [UTMS] Frequencies 	WCDMA 850/1900 Mhz
	WCDMA 900/2100 Mhz
	WCDMA 850/2100 Mhz
 3G [UMTS] Power Output 	1A @ 3.6V (+23dBm, 200mW)
 4G [CatM1] Frequencies 	3GPP Release 13 Bands: 1-5,
	8,12,13,18-20,25,26,28
	Freq: 700, 750, 800, 850, 900
	1700, 1800, 1900, 2100 MHz
 4G [CatM1] Power Output 	LTE Cat M1 / NB19 : Class 3
	(23 dBm, 200mW)
 Antenna Plug Type 	SMA



Sensor Plug	Pin	NACS / all other types	NAR4	NCCS/5	NCD
	1	12V SPO	12V SPO	12V SPO	Digital
3 4	2	SDI12	RS485+ (B)	SDI12	
$\begin{pmatrix} \circ & 5 \\ \circ & 0 \\ 2 & \circ & 0 \end{pmatrix}_1$	3	4-20mA / all other analog	4-20mA	Counter2	
\sim	4	Ground	Ground	Ground	Ground
	5	Counter	RS485- (A)	Counterl	Counter

Note: Connector cable length L is typically 1ft (30 cm)

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NCD All I	Plugs
	NCD All I