



Image shown is a representation only

DR- 1405 DATA LOGGER

INTRODUCTION

The DigiReach Data Logger 4G LTE is an ultra-low-power, fully autonomous, wireless telemetry device that operates best-of-class sensors. The sampled data is collected, transmitted securely, and then stored on a customer's on-premises server/cloud server. Data Loggers are remotely configurable, and data can be visualized and managed via a streamlined user interface providing integration into SCADA or other customer software systems.

The DR 1405 Data Logger has been optimized for industrial applications, smart grids and Energy monitoring, EV charger controller integrated hardware and software platform. Adding only one DR 1405 product to meet equipment data monitoring and transmission needs.

Data logger DR 1405 provides a solution for the channel of industrial serial data transmission through Ethernet, RS485 remote control and monitoring IO. The product integrates Ethernet port, RS485, digital inputs, Analog input, digital output and other rich hardware interface, which is based on the Free RTOS operating system. The product includes web pages, IOT Service, TCP/IP protocol stack, Modbus TCP and Modbus RTU protocol. It can be easily achieved remote data acquisition and monitored.

Application

- PV Solat Inverter monitoring
- PV Solar Plant monitoring
- Industrial Automation
- Pump Automation
- DCU (Data concentrator unit)
- Street Light monitoring
- Energy Monitoring
- IoT Applications

DR- 1405

SPECIFICATIONS

CONTROL SYSTEM

CPU	STM32 Cortex M4 Micro Controller 64 Mhz
RAM	16Kb
OS	Free RTOS
Storage	4MB
SD Card	32Gb
Power Input	9-30Vdc.
Power Consumption	6W

COMMUNICATIONS

Protocol	Modbus RTU,
Serial Port	Rs485
Digital Input	2
Digital Out Put	2
Analog Input	4 Nos, 4-20 ma
Cyber Security	SSL

CELLULAR MODEM

Channel	LTE CAT1
Modulation	4G
SMS	yes
GPRS	Yes

ORDERING INFORMATION

DR 1405	Datalogger with 4G modem
DR 1405 -WIFI	Optional wifi support

GENERAL

Operating Temp	0-65 degree
Storage Temp	0-70 degree
Humidity	10-80%
Mounting	DIN Rail Type

ABOUT US

Digital Reach enables the IoT devices to interconnect the embedded systems to the internet. The IoT devices are fully programmable as per customer requirements and it can be deployed in nearly all the areas like Manufacturing, Energy & Utility, Health Care, Home Automation, Retail etc. With our expertise in embedded hardware development, embedded software development, system integration, and project execution, we bring in our experience, commitment and team work to exceed our customer expectation in every customer engagement.

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