



Image shown is a representation only

DR-218 MODBUS GATEWAY/PROTOCOL CONVERTER

OVERVIEW:

The Modbus Gateways presented feature a robust Control System powered by the STM32F407 ST Micro Cortex M4 CPU, offering 32KB of RAM and running on the Free RTOS operating system. These gateways support Modbus RTU protocol and provide two RS485 serial ports, along with a 10/100 RJ45 Ethernet port, ensuring versatile communication capabilities.

KEY FEATURES:

Realtime Clock (Optional): Enables precise timekeeping for applications that require accurate time stamping of data.

Isolation (1500 VDC): Ensures electrical isolation for enhanced safety and reliability in industrial environments.

Cyber Security (SSL): Implements SSL for secure communication, addressing cybersecurity concerns.

Optional WIFI: Offers the flexibility of wireless communication with optional WiFi support, featuring 11B/11G channels and U.F.L Antenna.

APPLICATIONS:

These Modbus Gateways find applications in various industrial settings where Modbus communication is essential. They are well-suited for connecting and integrating devices that communicate using the Modbus RTU protocol, providing a reliable and secure bridge between serial and Ethernet networks. The optional WiFi capability adds flexibility for wireless communication, making these gateways adaptable to diverse industrial automation and control scenarios.

DR- 218

SPECIFICATIONS

Control System

CPU	STM32F407 ST Micro Cortex M4
RAM	32KB
OS	Free RTOS
Realtime Clock	Optional
Power Input	1224VDC
Power Consumption	6W

Communications

Protocol	Modbus RTU
Serial Port	2 Nos, RS485
Ethernet Port	10/100 Rj45
Isolation 1500 VDC	yes
Cyber Security	SSL

WIFI

Optional	
Channel	11B/11G
Contact Type	U.F.L Antenna
Speed	54Mbps

Ordering Information

DR 218	Modbus converter
DR218Wi	With Wifi option

General

Operating Temp	060 Centigrade
Storage Temp	065 Centigrade
Humidity	80%
Mounting	Din Rail
Dimension	101 x 70 x 28 mm
Weight (approx.)	75 Gram

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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