



Image shown is a representation only

DR-2110 IIOT GATEWAY

OVERVIEW:

The DR-2110 IIoT Gateway is a powerful and adaptable device designed for Industrial Internet of Things (IIoT) applications, combining robust hardware with versatile communication capabilities. It's versatile Control System designed for critical infrastructure and substation applications. Powered by the NXP iMX6ULL Cortex A8 CPU at 600MHz, it boasts a DDR3L 256 MB memory for efficient performance. The system features LEDs for Power, LAN (LINK, ACT), and Programmable indicators, providing clear status visibility.

DR2110 gateway's data processing capabilities make it an ideal choice for various IIoT applications, providing a bridge between the physical and digital realms in industrial environments.

Feature

- Effortless configuration via web-based wizard
- Built-in Ethernet cascading for easy wiring
- Embedded traffic monitoring/diagnostic information for easy troubleshooting
- microSD card for configuration backup/duplication and event logs
- Status monitoring and fault protection for easy maintenance
- Support IEC 101, IEC 104 , IEC 61850 (Optional)

Application

- Easy hardware setup and configuration
- Supports Auto Device Routing for easy configuration
- Digital Substation Application
- Protocol converter
- IIOT Applications

DR- 2110

SPECIFICATIONS

Control System

CPU	NXP iMX6ULLCortex A8, 600MHz
Memory	DDR3L 256 MB
Indicator	LEDs for Power, LAN (LINK, ACT), Programmable
Storage	512 MB NAND Flash
SD Slot	1x Micro - SD Slot
Watchdog	Yes
Real-time Clock	Yes
OS Support	Linux Ubuntu/ Linux Yacto

Communications Protocols

Serial Port	2x RS232/485 (isolation optional)
Serial Port Speed	RS-232/RS-485: 50 ~ 115.2 kbps
Ethernet	Port2 x 10/100 Base - T RJ-485ports
Wireless (Optional)	Interface : 1 x Mini-PCIE (full size) Type, wifi/3G/GPRS/4G , Singal : USB
Communication Protocol drives	IEC 101, IEC104 , IEC 61850, MQTT, Optional IEC 62351

Digital Input / Output

DI/DO	2 DI and 2 DO (1 Relay Out)
Data Logger	Real- time datalogger
Database uplink	ODBC/FTP
Programming support	ODBC/FTP

Ordering Information

RTU	DR -2110 Substation Gateway
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General

Mounting	DIN Rail Mounting
Power consumption (typical)	2.4W @24VDC
Power Requirements	10 ~ 30 VDC
Operating Temp	-40 ~ 70°C
Storage Temp	-40 ~ 85°C
Humidity	5 ~ 95%(no-condensation)
Dimension	146 X 115 X 40 mm
Weight (approx.)	390gm (without PCB) & 550 (With PCB)

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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