Splinter-1509

IoT Controller and Gateway
(Wi-Fi and Isolated Dual RS-485 Ports)

NEW

Features

- ARM Quad Core A-53 processor
- 2 x RS-485 isolated serial ports
- 2.4 GHz, 802.11 b/g/n Wi-Fi
- Supports OTA configuration updates
- Plug-and-Play support for GridOnCloud™ Energy Management System
- Node-red pre-installed
- Wide Operating temperature: 0 ~ 60°C

Introduction

IED Quest has released the Splinter-1509 industrial communication gateway for facility monitoring, distributed solar power, smart factory automation, and cloud-based applications which require a total wireless communication solution. Splinter-1509 has a Quad Core A-53 processor, dual isolated RS-485 ports, wide range of power supply and operating temperature range of 0~60°C. Splinter Series Controllers have a pre-installed firewall inbuilt for security, and supports OTA firmware and configuration updates to reduce site visits and installation costs. With Linux operating system, Splinter IoT runtime software and preinstalled Node-Red, Splinter-1603R enable system integrators to develop applications which precisely fit their needs.
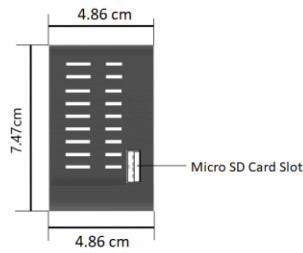
Specifications

System	CPU	Quad Core A-53 @ 1GHz
	RAM	512MB SDRAM
	Storage	1 x MicroSD Card slot (32GB Included)
	LED Indicators	Power
	Real Time Clock (Optional)	Battery backed RTC CR2032
	Protocols	Modbus RTU/TCP, MQTT, AMQP, BACnet, DNP3, OPC-UA
I/O Interfaces	Serial Ports	2 x RS-485 (isolation 3000VDC) 3-Pin Terminal Block, 50 ~ 115.2kbps
	Wi-Fi	2.4 GHz, 802.11 b/g/n wireless
	Hardwired IOs (Optional)	3 x Isolated Digital Inputs (3V to 48V) 3 x Relay Output, 5A(NO)/3A(NC) - 240VAC / 24VDC
General	Dimensions (H x D x W)	93.4 × 74.7 × 48.6 mm
	Form Factor	Small Size
	Mounting	DIN-Rail Mount
	Weight (Net)	0.3kg
	Power Requirement	8 ~ 28 VDC
	Power Consumption	1W @ 24VDC
	Power Connector	1 x 2-Pin Terminal Block
	Isolation Protections	Unibody power supply isolation, unibody digital isolation, Onboard TVS
Environment	Operating Temperature	0~60°C
	Storage Temperature	-10~75°C
	Relative Humidity	95% (non-condensing)

IED QUEST® **Industrial Automation Solution**
All product specifications are subject to change without notice.
www.iedquest.com/products
Last updated: 12-July-2025

Dimensions

Unit: cm

Top View

4.86 cm

7.47cm

Micro SD Card Slot

4.86 cm

Front View

4.86 cm

9.34cm

Power LED Indicator

RS-485 Port 2

RS-485 Port 1

2pin Power Supply Port

4.86 cm

Side View

7.47cm

9.34cm

9.34cm

7.47cm
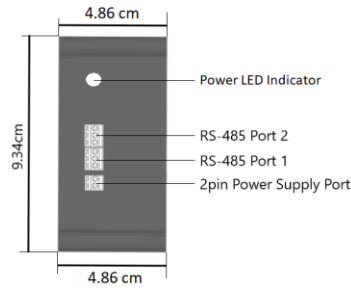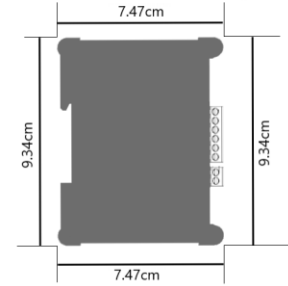
Ordering Information

Splinter-1509-**XX**-**XX**-**IRW**

W -> 2.4 GHz, 802.11 b/g/n wireless or None
R -> Battery backed RTC CR2032 or None
I -> 3 x Digital Inputs with 3 x Relay Outputs or None

32 -> 32GB Storage
64 -> 64GB Storage

01 -> 512MB SDRAM