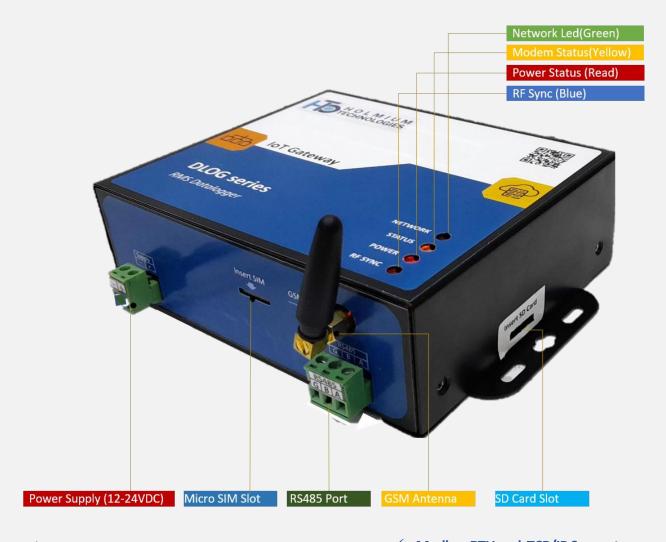# HRMS-E32WL

HRMS-E32WL series **Wifi/LAN-based data logger** is ideal for remote monitoring of solar power plants and weather sensors. Weather Sensors can be connected to the RS-485 MODBUS interface.

Network Led(Green)
Modem Status(Yellow)
Power Status (Read)
RF Sync (Blue)

Power Supply (12-24VDC) | Micro SIM Slot | RS485 Port | GSM Antenna | SD Card Slot

- ✓ **A 32-bit dual core Microcontroller Based datalogger**
- ✓ **Wi-Fi Based internet**
- ✓ **Complete Remote Configuration**

- ✓ **Modbus RTU and TCP/IP Support**
- ✓ **SD card-based data Storage**
- ✓ **Plug and play with easy installation**

Application:

- ✓ Rooftop/ Ground mounted Solar power plant for remote monitoring using **Wifi/LAN internet**
- ✓ Weather Sensor measurement and data logging

Technical Specification

Power Supply	
Voltage	12-24VDC
Power Consumption	2W
Max. Allowed Voltage	30VDC

Cloud Server	
Default server Client-server	SolarLogIQ – (Holmium Server) configurable
Protocol	FTP/HTTP/MQTT/JASON/CSV
Data interval	5 min (default)[*]

CPU Unit	
Micro Controller	A dual-core 32-bit LX6 Xtensa® microcontroller with 16MB Flash
SRAM	520kB
Wi-Fi	In-built, 802.11 b/g/n (2.4GHz), up-to 150 Mbps
Clock and Timer	RTC Watchdog timer with cell based RTC.

Configuration	
Configuration	Remote Server based
Wi-fi setting	Wi-Fi-based local APP
No of slave	Up to 8 Modbus RTU slaves
Firmware update	Remote Server/ FOTA based

Data Storage	
Storage Type	Micro SD Card based
Capacity	16 GB

Slave Communication Interface	
No of RS-485 Port	1
Protocol	MODBUS RTU/ SUNSPEC/ MODBUS TCP/IP
Baud rate	9600, 19200, 115200
Connector	Screw Terminal, 3.5mm
Wire Size	28-16AWG 1.5mm2
Analog I/o	4 Ch. With 12-bit ADC
Digital I/O	4 Ch. (24 Vdc)

Protection	
I/O Protection	ESD Protection on all Pins >4KV
Power Supply	Transient Voltage Suppression with 400W peak pulse power capability
Port Isolation	Optical type

Internet Connectivity	
Connectivity	Wifi/LAN Based (RJ45 type)
LAN configuration	Local interface app

Physical Dimension	
Encloser Type	MS Powder Coated
Dimension	124x172mm
Weight	0.5kg
IP rating	IP20 (indoor)/ IP65(Optional)

Certification	
CE Compliance	

Environment	
Operating temp.	0^0C to 65^0C
Humidity	5 to 95 % RH non-condensing
Installation Conditions	No direct sunlight

Miscellaneous/ Packaging	
Antenna Power supply	3dbi with magnetic base, 3m Wire Adaptor 12V 2A
Encloser (IP65)	With AC source point (optional)[**]
Manual	Installation manual (website)

**Outdoor IP65 encloser with AC power supply is additional and paid.