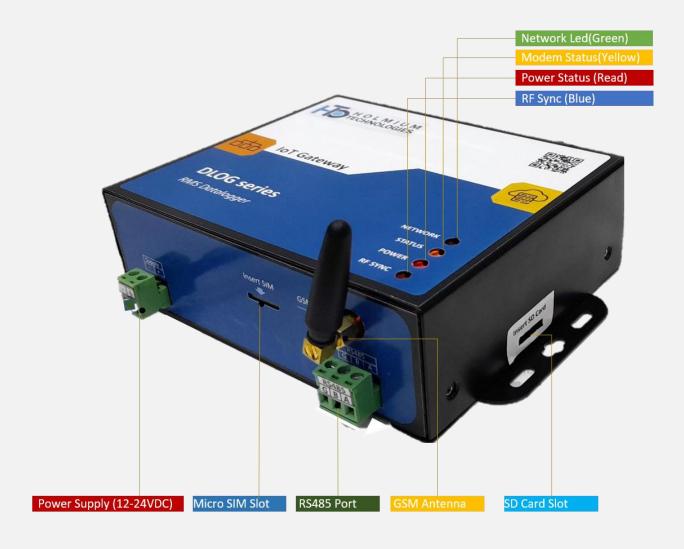
## **HRMS-E32W**



HRMS-E32W series **Wi-Fi-based data logger** is ideal for remote monitoring of solar power plants and weather sensors. Weather Sensors can also be connected to the RS-485 MODBUS interface.



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

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

## **Application:**

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

## HRMS-E32W



## **Technical Specification**

Power Supply		Cloud Server	
Voltage	12-24VDC	Default server	SolarLogIQ – (Holmium Server)
Power Consumption	2W	Client-server	configurable
Max. Allowed Voltage	30VDC	Protocol	FTP/HTTP/MQTT/JASON/CSV
		Data interval	5 min (default)*
	CPU Unit		Configuration
Micro Controller	A dual-core 32-bit LX6 Xtensa®	Configuration	Remote Server based
	microcontroller with 8MB Flash	Wi-fi setting	Wi-Fi-based local APP
SRAM	500KB	No of slave	Up to 8 Modbus RTU slaves
Wi-Fi	In-built, 802.11 b/g/n (2.4GHz),	Firmware update	Remote Server/ FOTA based
	up-to 150 Mbps		Data Storage
Clock and Timer	Watchdog timer with cell	Storage Type	Micro SD Card based
	based Real time clock (RTC).	Storage Capacity	16 GB
Slave Com	munication Interface		Protection
No of RS-485 Port	1	I/O Protection	ESD Protection on all Pins >4KV
Protocol	MODBUS RTU/ SUNSPEC	Power Supply	Transient Voltage Suppression
Baud rate	9600, 19200, 115200		with 400W peak pulse power
Connector	Screw Terminal, 3.5mm		capability
Wire Size	28-16AWG 1.5mm2	Port Isolation	Optical type
Analog I/o	4 Ch. With 12-bit ADC		
Digital I/O	4 Ch. (24 Vdc)		
	net Connectivity		Physical Dimension
Connectivity	Wi-fi Based	Encloser Type	MS Powder Coated
Wi-fi configuration	Local interface app	Dimension	124x172mm
(	Certification	Weight	0.5kg
CE Compliance		IP rating	IP20 (indoor)/ IP65(Optional)
Environment		Miscellaneous/ Packaging	
Operating temp.	0°C to 65°C	Antenna	3dbi with magnetic base, 3m Wire
Humidity	5 to 95 % RH non-condensing	Power supply	Adaptor 12V 2A
Installation Conditions	No direct sunlight	Encloser (IP65)	With AC source point (optional)**
		Manual	Installation manual (website)

<sup>\*\*</sup>Outdoor IP65 encloser with AC power supply is additional and paid.