

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

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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® microcontroller with 8MB Flash	Configuration	Remote Server based
SRAM	500KB	Wi-fi setting	Wi-Fi-based local APP
Wi-Fi	In-built, 802.11 b/g/n (2.4GHz), up-to 150 Mbps	No of slave	Up to 8 Modbus RTU slaves
Clock and Timer	Watchdog timer with cell based Real time clock (RTC).	Firmware update	Remote Server/ FOTA based
Slave Communication Interface		Data Storage	
No of RS-485 Port	1	Storage Type	Micro SD Card based
Protocol	MODBUS RTU/ SUNSPEC	Storage Capacity	16 GB
Baud rate	9600, 19200, 115200		
Connector	Screw Terminal, 3.5mm	Protection	
Wire Size	28-16AWG 1.5mm ²	I/O Protection	ESD Protection on all Pins >4KV
Analog I/o	4 Ch. With 12-bit ADC	Power Supply	Transient Voltage Suppression with 400W peak pulse power capability
Digital I/O	4 Ch. (24 Vdc)	Port Isolation	Optical type
Internet 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)

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