

HRMS-E32GL

HRMS-E32GL series **4G-GSM/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.



- ✓ A 32-bit dual core Microcontroller Based datalogger
- ✓ 4G LTE modem with 100MBPS LAN port
- ✓ Server based Remote Configuration
- ✓ Modbus RTU Support
- ✓ SD card-based data Storage
- ✓ Plug and play

Application:

- ✓ Rooftop Solar power plant Remote monitoring using **4G-GSM/LAN based 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 16MB Flash	configuration	Remote Server based
SRAM	520kB	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	RTC Watchdog timer with cell based RTC.	Firmware update	Remote Server/ FOTA based
		Data Storage	
		Storage Type	Micro SD Card based
		Capacity	16 GB
Slave Communication Interface		Protection	
No of RS-485 Port	1	I/O Protection	ESD Protection on all Pins >4KV
Protocol	MODBUS RTU/ SUNSPEC MODBUS TCP/IP	Power Supply	Transient Voltage Suppression with 400W peak pulse power capability
Baud rate	9600, 19200, 115200	Port Isolation	Optical type
Connector	Screw Terminal, 3.5mm		
Wire Size	28-16AWG 1.5mm ²		
Analog I/o	4 Ch. With 12-bit ADC		
Digital I/O	4 Ch. (24 Vdc)		
Internet Connectivity		Physical Dimension	
Connectivity	LAN/GSM/LTE (4G)	Encloser Type	MS Powder Coated
LAN configuration	Local interface app	Dimension	124x172mm
		Weight	0.5kg
Certification		IP rating	IP20 (indoor)/ IP65(Optional)
CE Compliance			
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 Area:	No direct sunlight and Rainfall	Encloser (IP65)	With AC source point (optional)**
		Manual	Installation manual (website)

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