

WiFi / Ethernet / 4G Communication Module



Product Description

This plug-and-play remote communication module enables reliable real-time monitoring and data transmission for inverters and energy systems. With waterproof design, flexible connectivity options (WiFi, Ethernet, or 4G), and remote upgrade capability, it ensures stable communication and simplified system operation and maintenance.

Features and Benefits

- **Plug & Play Installation** - No external power supply required, enabling fast and simple installation.
- **Multiple Communication Options** - Supports WiFi, Ethernet, and 4G for flexible network access in different environments.
- **Waterproof & Durable Design** - Weather-resistant enclosure ensures reliable outdoor operation.
- **Independent External Module** - Protects inverter internal components and allows easy replacement if needed.
- **Visual Status Indicators** - External LED indicators provide instant visibility of communication and data status.
- **Remote Monitoring & Upgrade** - Supports real-time monitoring, Bluetooth debugging, and remote firmware upgrades.
- **Third-Party Platform Integration** - MQTT support enables integration with external monitoring platforms.



	ICA400-06N	ICA100-06N-EU
Remote Communication Interface	4G	WiFi
Worki Frequency	Band 1/3/5/8/34/39/40/41	2.412GHz~2.484GHz
Antenna	Internal	
Data Interface	RS485	
Working Voltage	DC5-12V	
Working Power	3W	1.5W
SIM Card	MicroSIM	—
Memory	8M Flash	2M Flash
Temperature	-25~65°C	
Humidity	90% (No Condensation)	
Shell Material	PC+ABS_V0	
Number of Connections	1	
Serial Communication Rate	9600bps(1200~115200bps Configurable)	
Data Acquisition Interval	Default: 5 mins (1-15 mins Configurable)	
User Configuration	APP/Bluetooth	
Firmware Upgrade	Remote	
Access to Third-Party Platforms	Configurable(MQTT)	
Others	Real-time Monitoring, Bluetooth Debugging, Inverter Upgrade	

Applications

- Residential Solar & Energy Storage.
- Remote or Hard-to-Reach Installations
- Outdoor PV Installations
- Smart Energy Management Systems
- Installer & O&M Monitoring



To Order

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