

## SOLINTEG DuoCOM Wi-Fi /LAN 2 In 1 Module Owner's Manual

[Home](#) » [SOLINTEG](#) » SOLINTEG DuoCOM Wi-Fi /LAN 2 In 1 Module Owner's Manual 

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## Contents

- 1 Description
- 2 ABOUT DUOCOM
- 3 Key Parameters
- 4 Appearance
- 5 Highlights
- 6 Wi-Fi/LAN Auto Detect
- 7 Wi-Fi/LAN Auto Switchover
- 8 Modbus TCP Application
- 9 Why to Choose DuoCOM
- 10 Documents / Resources
  - 10.1 References
- 11 Related Posts

## Description

### ABOUT DUOCOM

DuoCOM is a monitoring device that combines two ways of communication including Wi-Fi and LAN offering convenient configuration and reliable communication for the solar system.

Our easy-to-use DuoCOM can enhance your Solinteg's inverter data monitoring, save your time on the configuration and enhance the reliability of tracking your installation's energy production.

### Key Parameters



#### Wi-Fi 20M

Communication distance

#### LAN 100M

#### Plug and Play

USB 3.0

#### Installation

#### 1Minute

Data transmission interval

#### Variable

## IP 65

Suitable for indoor & outdoor

## Modbus TCP

Communication with server

## Modbus RTU

## -30 75°C

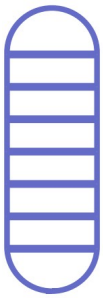
Wide operation temperature

## Appearance



## Off

Connection is abnormal.



### Slow Flash

The dongle isn't connected to the router.



### Quick Flash

The dongle is connected to the router but not connected to the server.



### On

The dongle is working properly



Restart/Reset(configuration will be cleared) Press the button for less than 5s to restart the dongle. Press the button for more than 5s to reset the dongle

### Highlights



#### **Reliability**

Integrate Wi-Fi and LAN two communication methods offering higher data transmission reliability



#### **Data Security**

Data encrypted to ensure your personal generation data security



#### **Easy to use**

Plug-and-play connectors for quick installation, and free of configuration save your time



#### **Multi-communication**

Support easy communication with 3- rd party devices and platforms via Modbus TCP and Modbus RTU communication

## Wi-Fi/LAN Auto Detect

No need configuration when router DHCP is enabled



Need simple configuration



## Wi-Fi/LAN Auto Switchover



### LAN

If there's an ethernet cable inserted into the DuoCOM dongle, the inverter will use LAN communication which you don't need to do the configuration.



### Wi-Fi

If there's no ethernet cable inserted into the DuoCOM dongle, the inverter will use Wi-Fi communication which will take a few steps for the configuration.

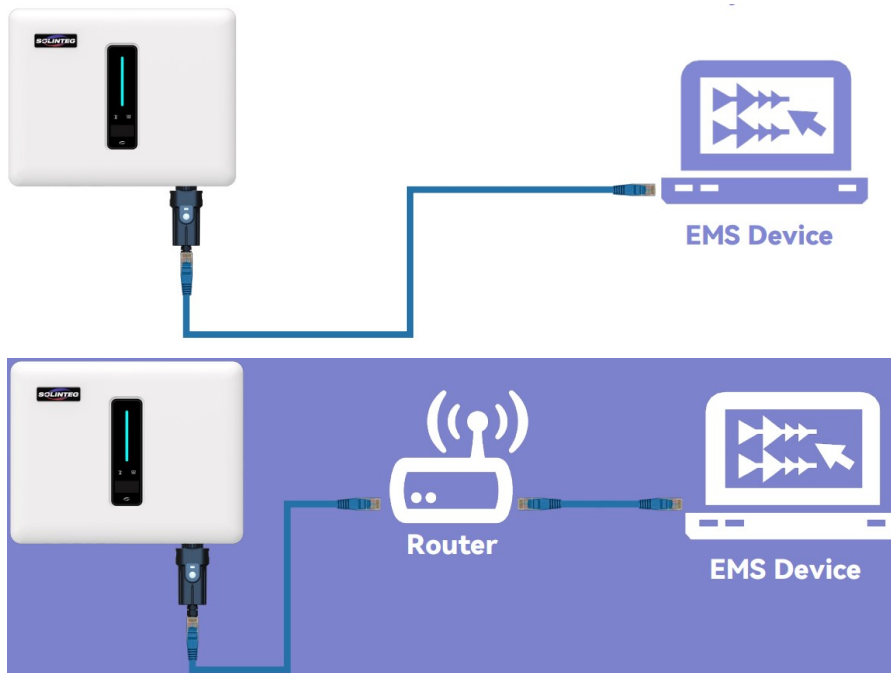
If a DuoCOM is configured and attached to the router through WiFi and LAN at the same time, the dongle will first use the LAN communication and will automatically switch to WiFi if the LAN communication fails for more than 5 minutes.

## Modbus TCP Application

MODBUS/TCP is a simple derivative of the MODBUS family of communication protocols for managing and controlling automation equipment. MODBUS TCP uses TCP/IP and Ethernet to transmit MODBUS messages between sites, and the communication messages are encapsulated in Ethernet TCP/IP packets.

**There are two methods to realize the communication between the inverter to EMS device through Modbus TCP:**

1. Direct connection
2. Indirect connection (transfer through the router)



## Why to Choose DuoCOM

### Reliable

WiFi or LAN communication automatically switchover if one fails for 5 minutes

### Easy to install

Everything will be done with just a plug and play

### Extendable

Modbus TCP and RTU allow 3rd party EMS device connection for more possibilities

### Cost Saving

No need to store two kinds of modules for meeting different customer demands

### Simple

One dongle for all application scenarios, make everything simple

### THANK YOU


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### Documents / Resources

	<a href="#">SOLINTEG DuoCOM Wi-Fi /LAN 2 In 1 Module</a> [pdf] Owner's Manual Wi-Fi/LAN-2-in-1-Module, DuoCOM Wi-Fi LAN 2 In 1 Module, DuoCOM, Wi-Fi LAN 2 In 1 Module, 2 In 1 Module, Module
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### References

-  [Solinteg: Integrate Solar Intelligently](#)