

Startup Manual

Packing List

Before installation, please ensure that the following items have been included in your shipment:

1. ECU-1051 Product

Overview

For distributed equipment management and maintenance, ECU-1051TL playing as data publish gateway from site to Cloud. The operation temperature range is -40~70°C. This module is extremely cost-effective solution for industrial measurement and monitoring applications.



Figure 1. Product Overview

Specifications

Technical Specification of ECU-1051	
Mounting	Wall-Mount/ DIN-Rail
Power Requirements	10~30 VDC
Ethernet Ports	2 x 10/100 Base-T RJ-45 ports
Serial Ports	2 x RS232 / RS 485
Indicators	Power, LAN(LINK, ACT), Programmable
Watchdog	Built-in Hardware & Software
Storage	NAND Flash/ 512MB for System Image 1 x Micro SD slot for Data
Power Consumption	2.4W @ 24VDC
Operation Temp.	-40 ~ 70 °C
Warranty	2 years

For more information on this and other Advantech products, please visit our website at

<http://www.advantech.com>

<http://www.advantech.com/Products>

For technical support and service, please visit our support website at

<http://support.advantech.com.tw/support/default.aspx>

This manual is for ECU-1051.

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Dimensions: (Unit: mm)

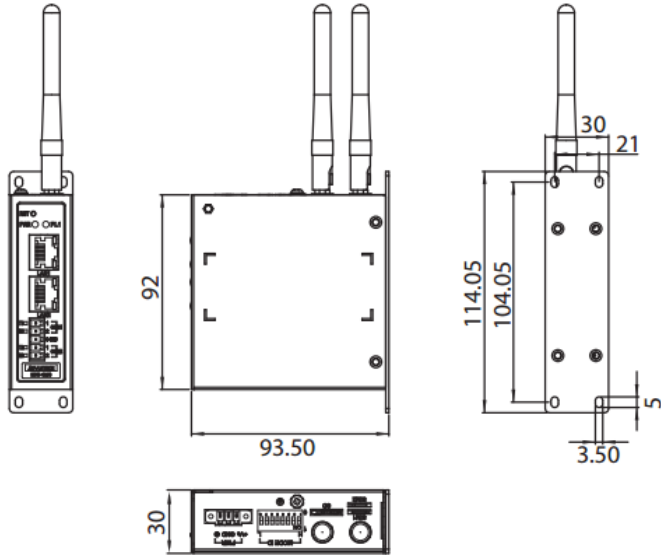


Figure 2. Dimension

Power Supply Wiring

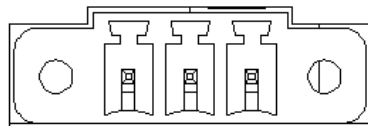



Figure 3. Power Supply

Pin Definition	Description
+Vs	PWR V+ DC power input
GND	PWR V- DC power input
	GND

Communication PIN Assignments

RS-232/485 Serial Ports (Pin Assignments)

Pins	1	2	C-GND
RS-232	Tx	Rx	GND
RS-485	Data+	Data-	GND

Jumper Setting

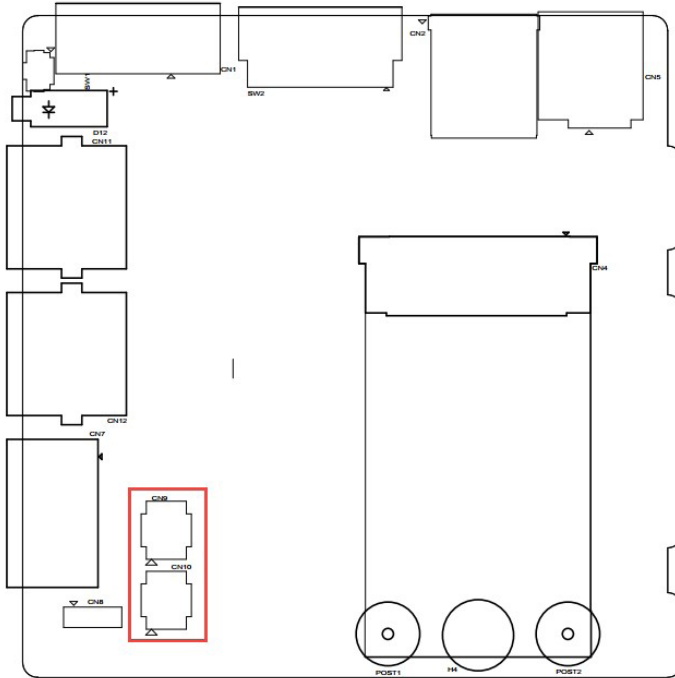


Figure 4. Jumper Location

Serial Ports (RS232/RS485)	CN9(COM1) / CN10(COM2)		
RS232 mode	(3-5)	(4-6)	
RS485 mode, No Terminator	(1-3)	(2-4)	Default

Installation

1. Wall Mount

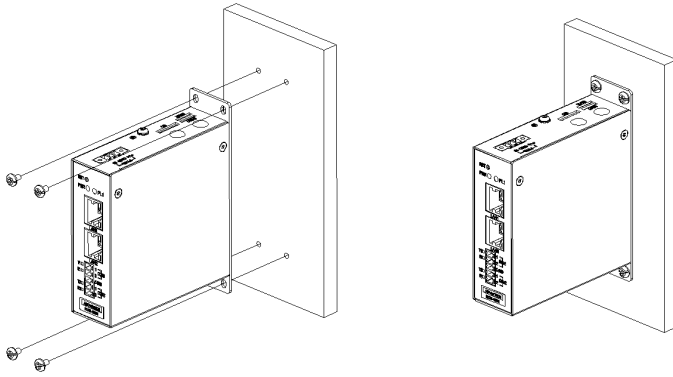


Figure 5. Wall Mount installation

2. DIN-Rail.

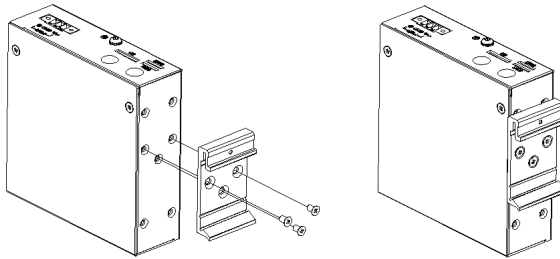


Figure 6. DIN-Rail Kit

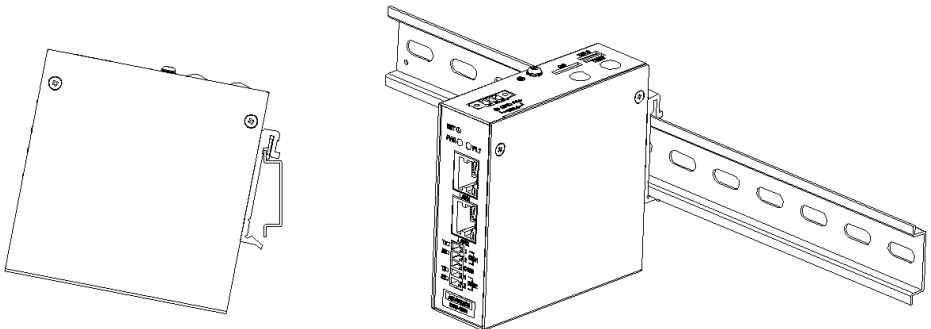


Figure 7. DIN-Rail installation

Installation (Cont.)

3. Wireless module & Antenna

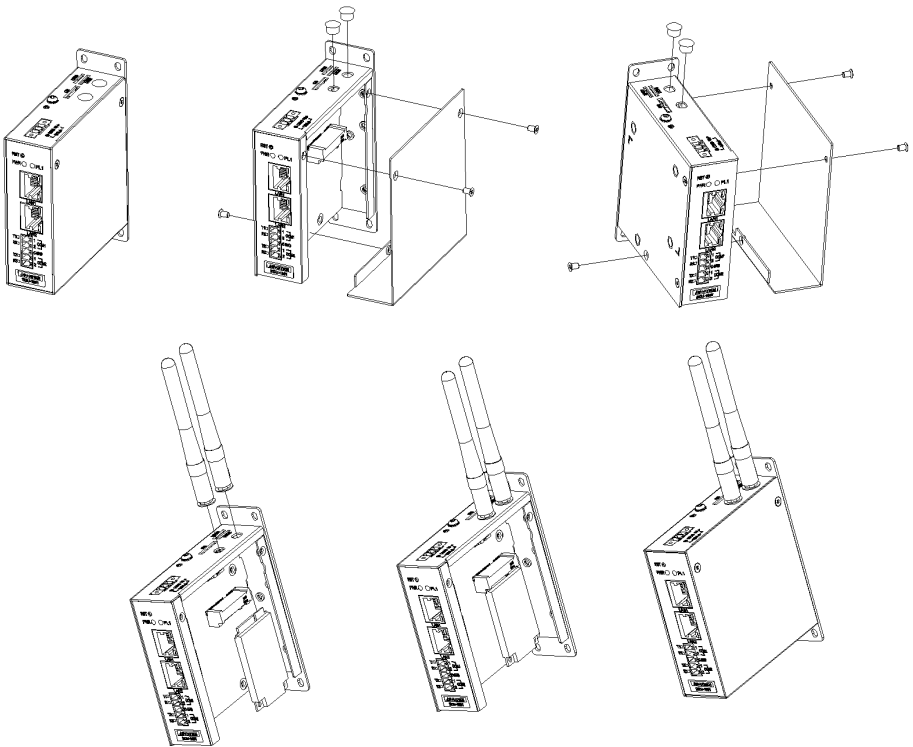


Figure 8. module & antenna installation

Software and User Manual

The WISE-PaaS/EdgeLink Studio is for completing ECU-1000TL and its I/O configuration and management. The PC operation system is Windows XP/Windows 7. The software installation package as well as user's manual can be acquired from the following path: <http://www.advantech.com/>