DAM-E3341
User's Manual

Beijing ART Technology Development Co., Ltd.

DAM-E3341 Module

Terminal Distribution

Features

➢   Network Port: four 10/100Mbps RJ-45 interface

➢   Optical Interface: one 100Mbps multi-mode fiber, with Central Wavelength 1310nm, SC interface (ST interface can be customized)

➢   Transmission Distance: Ethernet: 100m

　　　　　　　　　　　Fiber: 2Km

➢   Support full/half duplex transmission

➢   Support Auto MDI/MDIX

➢   Provide broadcast storm protection

➢   Embedded switch control, auto-negotiation

- ➢ Embedded memory buffer, support store and forward transmission

- ➢ Assembly flexible : DIN rail, stack, panel mounting

- ➢ Power Supply: +10~+30V$_{DC}$

- ➢ Operating Temperature: -10 ~ 65℃

- ➢ Operating Humidity: 20 ~ 95% (non-condensing)

- ➢ Power Consumption: 3W maximum

Hardware Description

- ➢ Power Terminal: 3.81mm pitch, 2-pin green terminal

- ➢ Power Line: recommended to use more than 0.5 mm^2 (AWG20) wire

- ➢ Network Cable: CAT-5 series cable

- ➢ Conductive Film: when we use it, the module must be connected to the earth to prevent electrostatic damage

- ➢ Indicator: there are six indicators, one power indicator (POWER), one Fiber connection indicator (Link (100BASE-FX) and four Network indicators (100/10M (Ports 1 to 4)), the following is the specific status:

Indicator	Color	Status	Description
POWER	Green	on	+10～+30V power supply is connected
		off	No power
Link (100BASE-FX)	Green/Yellow	on	Connect fiber-optic network
		flashing	working
		off	Fiber-optic network is not connected
100/10M (Ports 1 to 4)	Green（Link）	on	Connected to the Ethernet
		flashing	working
		off	Ethernet is not connected
	Yellow （Speed）	on	Connect to the 100MbpsNetwork
		off	Connect to the 10MbpsNetwork

Wiring Diagram
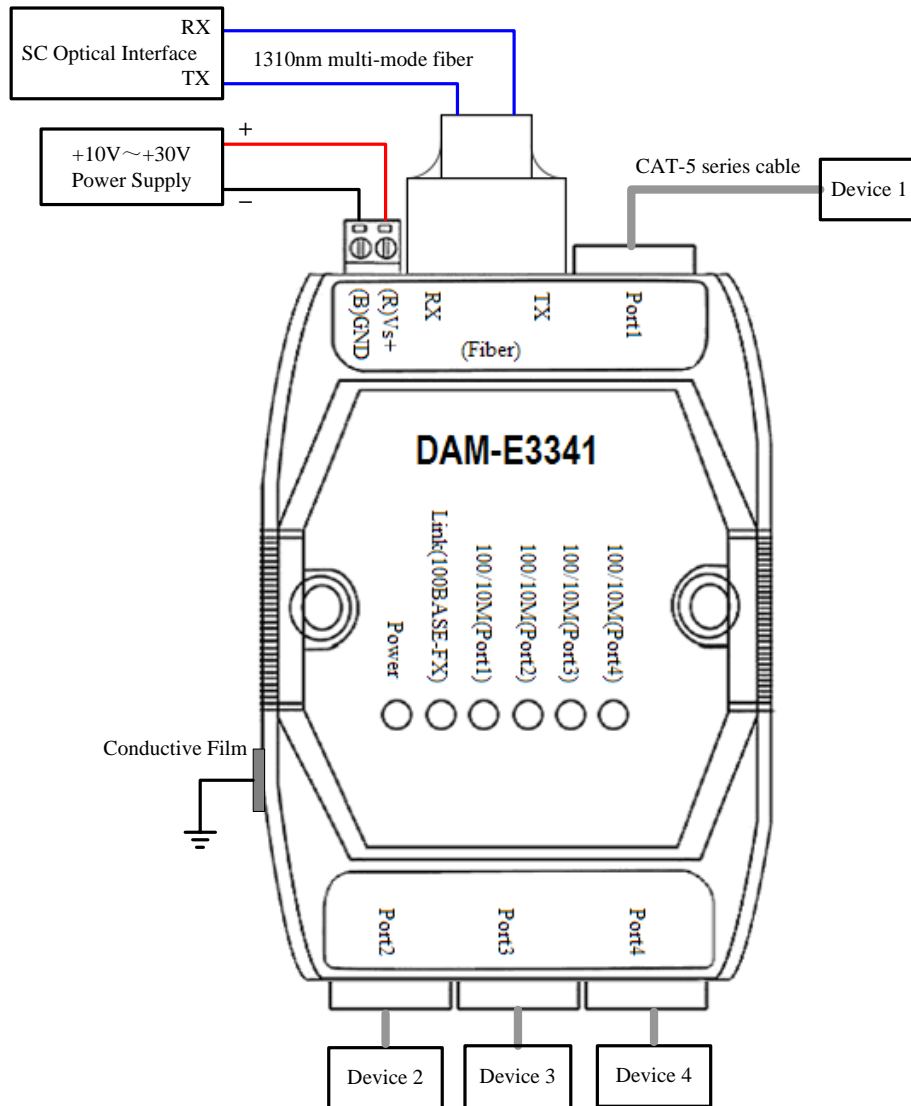
Installation Instruction

DAM-3341can be installed in standard DIN rail inside the cabinet, it also can be installed by stacking mode.
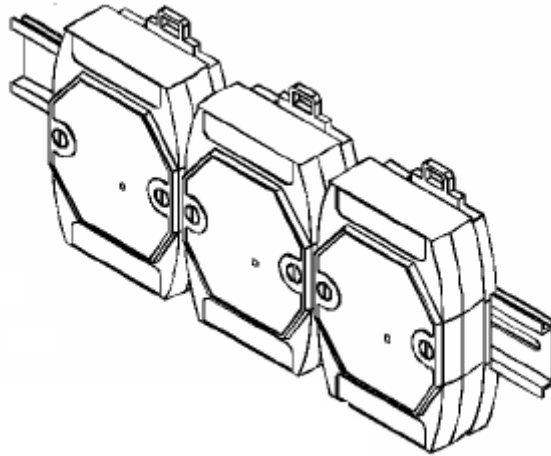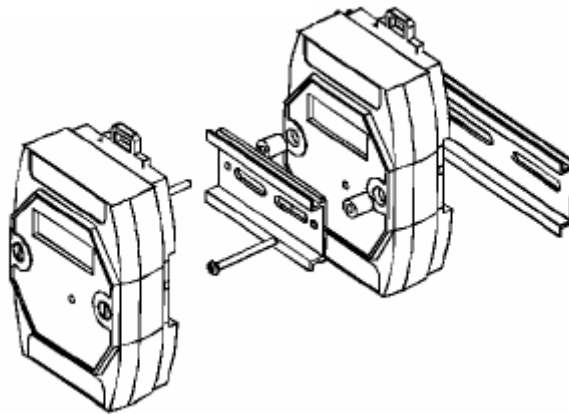

Fig.1   standard DIN installation

Fig.2   stack installation

Common Faults and Exclusion Method

1. Data Communication Failure

➢   Check the optical interface, whether the wiring is correct.

➢   Check the network interface, whether the wiring is correct.

➢   Check whether the terminals are connected well.

2. Data loss or errors

➢   Check the transfer rate and the format are consistent of the data communications equipment at both ends.