4G Master gateway
EUG-IP

Summarize:

Eug - IP is a network controller with high performance and low energy consumption introduced by Euchips.

Built – in 335 x series industrial control boards have added network isolation,can bus isolation and 485 isolation.

Integrated with various peripheral interfaces, it can control a variety of Euchips dimming devices through EU-Bus protocol.

Product performance

Plate performance	
module	Characteristics
CPU	TI AM 3352 Processor, ARM Cortex - A8 600 m Main Frequency
Memory	1 piece 256 m DDR 3
Storage	256M NANDFLASH or 8G eMMC
Operaing system	Linux

Front panel			
module	Characte -ristics		
Indicator light	1 power lamp，1 user-definedLED		
Power	Voltage range 9-30V，Recommend24V		
2CH RS232	Channel	Device node	Description
	CH1	tty01	UART1
	CH2	tty02	UART2
2CH RS485	Channel	Device node	Description
	CH1	tty03	UART1 Add 485 isolated protection
	CH2	tty04	UART2 Add 485 isolated protection
2CH RS485	Channel	Device node	Description
	CH1	tty1	Add CAN isolated protection
	CH2	tty0	

Back panel	
Module	Characticstics
Debugging seriel port	DEBUG(Device node tty00)
2CH USB Host	For normal usd storage and communication
2CH100M Adaptive mesh port	Channel
	ETH1 (IP 10.10.80.15)
	ETH0 (IP 192.168.0.15)
TF card interface	TF Card start write and storage (128G Capacity tested)
WIFI aerial head	Wireless Network Card (Optional)
4G aerial head	4G Module (Optional)
SIM card slot	Used with 4g
GPS module	4g module with GPS function(Optional)

Interface details

1.Power Interface Descriptions:
Voltage range : 9V-30V，Recommend 24V

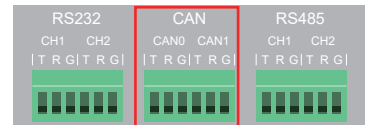| Interface Label	Function
VCC	V+
GND	V-
E	Product shell

2. Serial port
EUG-IP has 2 RS232 level serial ports and 2 RS485 level serial ports。
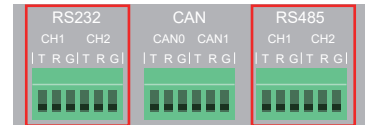
3.CAN interface
EUG-IP has 2 ch CAN interface。

4.Mesh port

ETH0 and ETH1 is a trillions of adaptive mesh port。The default IP of ETH0 is 192.168.0.15，
ETH1 is 10.10.80.15。

Double network ports need to work on different network segments。

ETH1	ETH0

5.Indicator lights、push button and buzzer,

A total of 2 LED lights, each LED light has 1 key,1 beep
Functions and GPIO numbers are shown in the following table

Grade	Function	Remarks
PWR	Power	Lights on when power on
STAT	User-defined LED	GPIO0_20
USER	User-defined keys	GPIO0_06
Non	Buzzer	GPIO0_18

6.USB Interface

EUG-IP has two USB host interfaces and CAN support external common USB devices, such as USB disk..

USB1
USB2

7.Card slot

The TF card slot can support with a maximum capacity of 128G, and pay attention to the side
with metal contacts when inserting the card. The SIM card slot can fit in the SIM card, when
inserting the card, pay attention to the side of SIM card with metal sheet facing upward and
the notch facing outward The appearance of the card slot is shown in the following figure"

TF
SIM

Specifications size