GV300 EVB KIT User Guide
For GV300-Series Devices

ACCEAE300UG001

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Contents

0. Revision history

Revision	Date	Author	Description of change
1.00	2012-07-16	Cid Xu	Initial

1. General Description

A set of accessories which use for the testing of GV300.

Part List:
1, GV300 EVB Box;
2, 3.5mm Stereo Headphone;
3, EXTEND_CABLE 16PIN TO 16PIN;
4, ADC_CABLE 4PIN;
5, DATA_CABLE_DB9_RS232;
6, Power Supply;

2. Product Specification

2.1. Basic Specification

NO.	ITEM	SPECIFICATION
1	Box Size	88mm*68mm*34mm
2	Operating Voltage	8V～32V

2.2. Part List

Name	Picture	Remark
GV300 EVB Box		GV300 EVB Box, Size: 88mm*68mm*34mm
3.5mm Stereo Headphone		3.5mm Stereo Headphone with MIC
EXTEND_CABLE 16PIN TO 16PIN		16Pin to 16Pin Extend cable, Cable Length: 50cm
ADC_CABLE 4PIN		4Pin ADC Cable, Cable Length: 15cm
DATA_CABLE_DB9_RS232		DB9 RS232 Data Cable, Convert DB9 port to Standard USB port

Power Supply		Power Supply: Input: 100-240V ~ 50/60Hz 0.3A Output: 12.0V DC 1.0A Model: US / EU

3. Interface Description

3.1. Front Side Description

Reference to the photo, ***PWR***, ***OUT1***, ***OUT2***, ***OUT3***, ***IN1***, ***IN2***, ***IGN*** is same as the definition of GV300 16Pin Connector, which is defined in the GV300 User Manual:

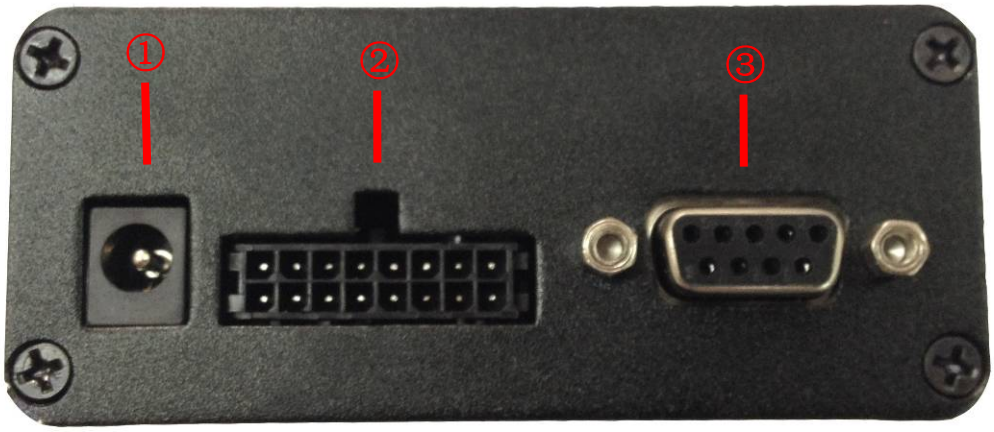
Index	Description	Comment
1	MICP	Single end, 2-2.2k microphone, internal bias
2	AGND	Analog ground
3	IGN	Ignition input, positive trigger
4	RXD	UART RXD, RS232
5	TXD	UART TXD, RS232
6	GND	Power and digital ground
7	OUT3	Open drain, 150mA max
8	OUT2	Open drain, 150mA max
9	EARP	Differential output, 32ohm 1/4w speaker
10	EARN	
11	PWR	External DC power input, 8-32V
12	IN2	Digital input, negative trigger
13	IN1	Digital input, negative trigger
14	OUT1	Open drain, 150mA max ,with latch circuit
15	AD1/IN3	Multifunction input, analog or digital input
16	AD2	Analog input 0-16v

IN3 is corresponded to the PIN15 of GV300 16Pin Connector, PIN15 is a Digital / Analog multiplexed interface. When this Pin is used as a Digital input, the ***ADC P15*** pin of EVB Board must be in floating state; when this Pin is used as an Analog input, please set the ***IN3*** switch of EVB Board to OFF state.

AUD is a 3.5” audio interface, support for stereo headphones with the MIC.

ADC interface is used to connect external analog input, support 0~16V. The ***ADC P15*** pin needs to be used with ***IN3*** switch.

3.2. Back Side Description



① Power Input Jack: 8~32V DC (By Power Supply);
② 16Pin Connector: Connect to GV300 (By EXTEND_CABLE 16PIN TO 16PIN);
③ Debug UART: Connect to PC (By DATA_CABLE_DB9_RS232);