

SCC200

Introduction

The intelligent controller, SCC200, provides lots of new features. First of all its features programmability to increase flexibility thus gives better performance and stability to the specific applications and more opportunity to broader application areas. The SCC200 may be easily configured to support different environment, or change parameters. It also supports multiple input/output ports in addition to communication interface. Furthermore, three general purpose UARTs may be configured and programmed to meet customer's specific requirements which gives customers greater flexibility and values.

Product Features

- Processor: 32bit ARM Cortex M3, 100MHz
- Memory: 32M bits
- Recording capacity: 100000
- RTC: Yes
- Backup Battery: Yes

- LCD Pixels: 128*64
- KeyBoard: 4*4
- Operating Voltage: DC12V
- Power consumption: 5W(max)
- Communication interface: RS-485; RS-232; Uart; IIC
- RS485 Rate: 19200bps(9600~115200bps Adjust)
- Operating temperature: -40℃ to +85℃
- Storage temperature: -40℃ to +125℃
- Humidity: < 90% IEC 60068-2-30

Interface Descriptions

1、Power Supply

It must be connected to external DC power for supplying voltage to main board and LCM. The voltage is acceptable from 9V to 15V.

2、RS485 Interface

The SCC200 can be connected to external communication device such as The SCR100 reader via RS485 bus cable. Default baud rate is 19200bps.

3、IIC Interface

The SCC200 can be connected to LCM via IIC bus cable. The max clock frequency is 400kHz.

4、 JTAG Interface

Debug and trace functions are integrated into the SCC200. Serial wire debug and trace functions are supported in addition to a standard JTAG debug and parallel trace functions.

Installation and using

1、 Power Distribution Unit

Before installation, check according to the design drawing for the following items: the model No. and specification of the input power voltage operation and display console; the condition and integrity of the electric components inside of the cable connections.

Check the following items according to the electric wiring diagram: if the wirings are correct; if the plug-in units are well connected and if the connections are secure and reliable.

2、 Voltage power supply

The DC input power connector is as follows:



3、Keyboard Information

The keyboard assignment is as follows:



Keyboard Functions:

0~9	*	#	OK	↺	▲	▼
number	dot	reserved	Enter	return	up	down

4、Main Menu Show

No.	System Menu	Description
1.	Set Device ID	Such as <u>10001</u> (max 18 bits)
2.	Set Phone Call No	Such as <u>18609830987</u>
3.	Set Main IP	Such as <u>146.079.126.155 (3303)</u>
4.	Set Backup IP	Such as <u>146.079.126.156 (3303)</u>
5.	Set Reader ID	1:Outside; 2:Inside
6.	Request Reader Version	1:ID1; 2:ID2
7.	Request Reader Gain	1:ID1; 2:ID2
8.	Set Reader Gain	Set gain from 0 to 31
9.	Set Reader Buzzer	Set Buzzer On/Off
10.	Set Phone Call Time	0-30 minute
11.	Request Record Info	Show System Running Info
12.	Init System	1:del record 2:restore system config
13.	Modify login pin	Modify New System login pin
14.	Restart System	Reset System

5、Safety

Ensure the system works normally and is free from any damage or incorrect manipulation. Shutdown all of the voltage power sources fall when repair or inspection is being conducted.

Applications

- Access Control
- Electronic Toll Collection (ETC)
- Automatic Vehicle Identification
- Assets Management
- Retail