

Contents

AR-727iV3

1 Product



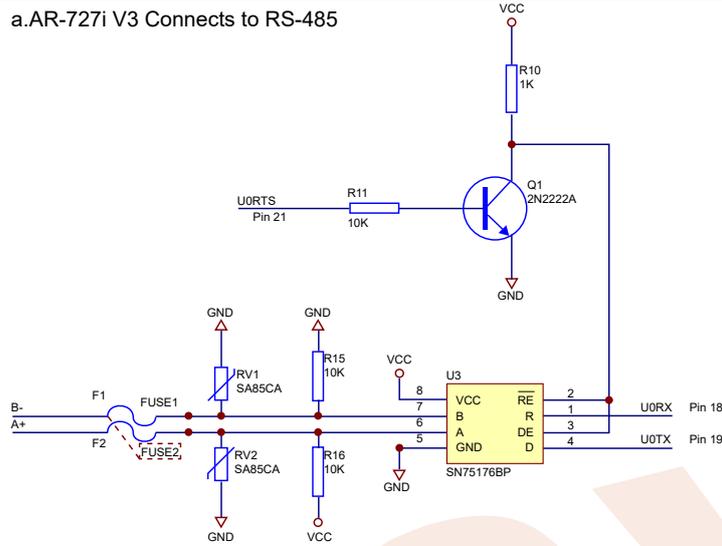
- AR-727iV3 Supports varies Ethernet protocol (TCP server/TCP), which is a Serial-to-Ethernet device to connect to networking.
- Small volume with compact design, 52mm*30mm size less than a semi credit card, easily connect to Serial device to get on networking with 10/100M.

Specification

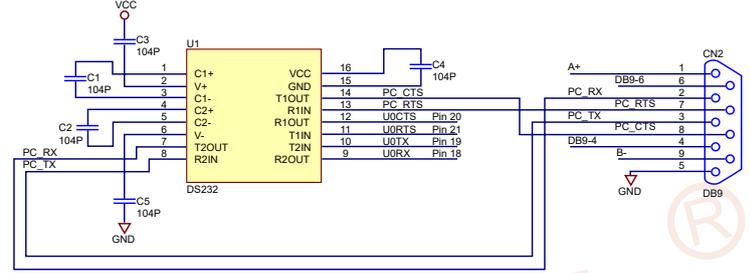
Power Supply	5VDC
Power consumption	<0.5W
Miscellaneous	AUTO MDI/MDIX
Interface	10/100M Base T Ethernet UART(TTL)
Baud Rate	4800bps-115200bps
Protocol	ARP, IP, TCP Client, UDP, ICMP, HTTP, DHCP, NetBIOS, SNMP V1, V2, V3

Diagram

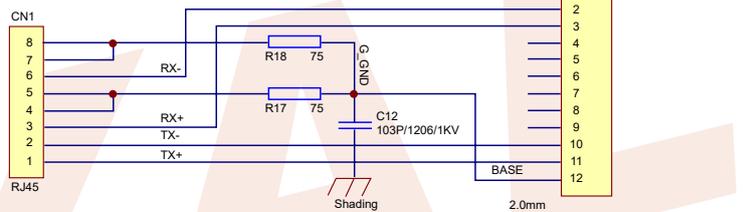
a. AR-727i V3 Connects to RS-485



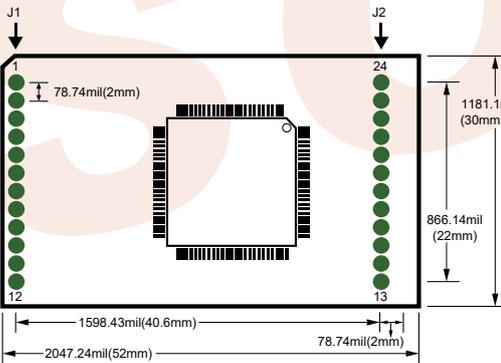
b. AR-727i V3 Connects to RS-232



c. AR-727i V3 Connects to RJ-45



PIN Assignments



J1

Pin No.	Signal	Description
1	5V	Power input.
2	NET RX(-)	Ethernet Network Receive Data(-).
3	NET RX(+)	Ethernet Network Receive Data(+).
4	5V	Power input
5	BUSY LED	Low active for external LED Driver to indicate busy status.
6	LINK LED	Low active for external LED Driver to indicate cable connected status.
7	ACT LED	Low active for external LED Driver to indicate TCP/UDP connect status.
8	RX/TX LED	Low active for external LED Driver to indicate Ethernet RX/TX status.
9	GND	Power input.
10	NET TX(-)	Ethernet Network Tranceive Data(-).
11	NET TX(+)	Ethernet Network Tranceive Data(+).
12	BASE	Connect to shading through 103P/2KV capacitor.

J2

Pin No.	Signal	Description
24	GND	Power input.
23	Reserved	
22	Reserved	
21	U0 RTS	UART channel 0 Request to Send.
20	U0 CTS	UART channel 0 Clear to Send.
19	U0 TX	UART channel 0 Tranceive Data.
18	U0 RX	UART channel 0 Receive Data.
17	Factory Reset	Connect to ground more then 3 seconds will reset the module to Factory Default Value.
16	DHCP	AR-727i support Auto Configuration of the IP and gateway addresses and subnet mask function, but must make sure the DHCP Server is active.
15	50Hz	50Hz square ware output for external watchdog strobe use.
14	Reset	Low active. System reset input.
13	GND	Power input.