

TCP/IP Module Specification

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c. Go "My Network Places" \rightarrow Click right of mouse "Properties" \rightarrow Local Area Connection \rightarrow Click right of mouse "Properties" \rightarrow Click "Internet Protocol (TCP/IP)" twice to open its properties



ernet Protocol (TCP/IP) Propert	ies	?
General		
You can get IP settings assigned aut this capability. Otherwise, you need to the appropriate IP settings.	omatically if your network suppo a ask your network administrato	irts r for
Obtain an IP address automatic	ally	
Use the following IP address: -		
IP address:	192.168.1.64	
Subnet mask:	255 . 255 . 255 . 0	
Default gateway:	000	
C Obtain DNS server address and	rmaticallu	
- Use the following DNS server a	ddresses:	
Preferred DNS server:		
Alternate DNS server:	A 10 10	
L		1
	Advanc	ed

d. Select "Use the following IP address" and key-in

IP address: 192.168.001.64 (Assumed original IP:156.137.86.8)

- e. Switch both DIP-SW 1 and DIP-SW 2 to "OFF"
- f. Install "Device Tools.exe", and then run the Net727 software Net727
- g. Click "Get" to get TCP/IP module's default local IP address, gateway, netmask and TCP port.
- h. Change new IP address, gateway, netmask and TCP port instead of default values
- i. Click "Write" to change the data

🞯 TCP/IP Serial Device Setup Utility (Version 2.08)

Orignal 727i IP 192 . 168 . 1 . 127 Password :		
Parameters h.		
New 727i Local IP Address : 156 . 137 . 86 . 13	<u>G</u> et g.	
Local Gateway IP Address : 156 . 137 . 86 . 254		
Local Network IP NetMask : 255 . 255 . 255 . 0	<u>W</u> rite i.	
TCP PORT : (1621~5000) [1621		
MAC Address : 00.E0.4C.00.00.12	<u>E</u> xit	
Force Transmit time : (0°3000ms) 5 Force Transmit Bytes : (1°32) 32 Cilent Mode Remote IP 156 . 137 . 1 . 1	Mode [V2.06 Later] © Server Mode © Cilent Mode	
Cilent Mode Remote TCP Port	- Connect Event	
Lock Remote IP Address	UART Received	
Setup Password : (0 ~ 8 Characters)	CTS Active State	
Serial Port Speed: 9600 TCP Idle Disconnect Time : (60 ~ 6000 sec) 60	⊂Lock Serial Port	
Serial Port Hardware Handshaking (RTS/CTS)	O Freeze Over	
Serial Number		
Local MAC : 00:20:ED:8E:74:99		
Local IP : 192.168.1.56		
Connect to		

j.Please chang yau PC IP back to 156.137.86.8 or tick Obtain an IP address automatically at Internet Protocol (TCP/IP) Properties

Setting	Value	Notes					
Local IP Address	192.168.001.127	Defines own IP Address of the TCP/IP module					
Local Gateway IP Address	192.168.001.254	Defines the IP Address of the default gateway					
Local Subnet Mask	255.255.255.000	Defines the IP Address range for the local network segment					
TCP Port	1621	The TCP port that o use to contact this device. To avoid conflicts with standard TCP ports.					
MAC Address	00.E0.4C.00.00.50	The MAC (Media Access Control) address is a unique identifier set at the factory.					
Force Transmit time	5	Forces TCP/IP time into the same data frame.					
Force Transmit Bytes	32	Defines the amount of data in the serial, Ethernet buffer at which the break condition will be generated and the contents of buffer will be sent out via the Ethernet port.					
Lock Remote IP Address	-	Allows contact with only the specified remote IP address.					
Lock Serial Port (Free Run or Freeze Over)	-	To avoid the hacker use this IP to intercept data when Remote IP Address doesn't receive data.					
Setup Password	none	Console password					
Serial Port Speed	9600	Changes current baud rate of the TCP/IP module's serial port (from 2400bps to 57600bps).					
TCP Auto Disconnect Time (Second)	60	This device automatically closes TCP connection if there is no TCP activity for the given time.					
Serial Port Hardware Handshaking (RTS/CTS)	-	An exchange of signal over specific wires which each device indicates its readiness to send or receive data.					
DHCP	-	Selecting the enable option allows DHCP to automatically assign the TCP/IP module's IP address.					

AR-716E Netwo

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d. Power off.

2.Get IP address by DHCP server

- a. Power off and plug in CAT5 cable to AR-716E
- b. PCB diagram as follows by using DHCP function



- Switch DIP SW-1 to "ON" position.
- 2 Switch DIP SW-2 to "OFF" position.
- **3** Switch Jumper J3, J4 and J5 to NET position.
- Switch Jumper J2 to NET position.

k. Key-in any temporary name.It is not important matter.

m. Set up COM oort properties as 9600, 8,None, 1, and dick "OK" to save.

COM1 Properties
? X

Port Settings
Image: Comparison of the second of th



c. Power on. In begging state the ACT LED will flashing, after IP has got ACT LED

will off and auto save the new IP address to EEPROM.

o. Power off. Then switch DIP SW-2 to "OFF" position, shift JP2 jumper to "NET" position and take off Converter.

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Net 727 Software. <mark>(S)</mark> 701

2010 201						
Com LAN		716 6	129 1 3 0 V	LOG	۶ 🕑 _	
lode Number	for Polling					>
			IP Address	Port		
E 000		EIP	0.0.0.0	0	LAN BASE	
E 001	1000E V3/E 👻	I IP	156.137.86.13	1620	AR-7xx/8xxE -]
□ 002	-	E IP	0.0.0.0	0	Node Range	
□ 003	- •	E IP	0.0.0.0	0	000 - 007 -	7
□ 004	- •	E IP	0.0.0.0	0		ň
□ 005	- •	E IP	0.0.0.0	0	🖌 Yes	1
F 006	- v	E IP	0.0.0.0	0	L	۲
□ 007	- *	E IP	0.0.0.0	0	🛃 <u>E</u> xit	1



connector from BAT+ socket \rightarrow Set up node number by 8 dip-switch \rightarrow Plug in battery \rightarrow Re-apply the power



(2) Tick IP and key-in the new IP address you had changed by _ [

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