

Hardware Integration with LTAH103C Serial Device Server

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Preparation

LTAH103C Serial Device Server serves as a RS232 COM to Ethernet LAN TCP/IP converter, itself will be assigned an IP address and treated as a network device. The purpose of using this module is to realize the hardware integration of any unit using a RS232 communication interface (i.e. POS system) with a DVR/NVR, thus providing a possible solution for integrating multiple RS232 units into the network.

Equipment List:

LTAH103C Serial Device Server

A Windows OS Computer

A Router

DVR/NVR

POS system

Serval Cat5/Cat6 Cables



Hardware Setup



- 1. Connect the LTAH103C with the POS system through RS232 cable.
- 2. Connect a cat5 cable from the module to a router.
- 3. Connect a computer to the same router and open the TCP232-T24 software.
- 4. Connect the power supply to the module.

Configuration Steps

Configure the server parameters as follows:

1. Download the setup software at: <u>http://dl.ltsecurityinc.com/software/RS232-to-</u> <u>TCP_V5.1.0.1.zip</u>. And double click it to open.

ameters (?)				
Module work mode	TCP Client	Show Expand functions j-		
Module IP	192.168.1.150	Operate via COM (?) CFG connect to GND		
Subnet mask	255.255.255.0	Select serial port COM4 (?)		
Default Gateway	192.168.1.1	Read via COM		
Baud Rate(bps)	115200	Setup via COM		
Parity/Data/Stop	NONE • 8 • 1 •	Operate via LAN (?) Leave CFG pin free		
Module port	20108	Search in LAN		
Destination IP	192.168.1.200	Set selected item via LAN		
Destination Port	10008	Device list in the Net		
		Module IP MAC Ver		
15		192.168.1.150 00E6284C5700 5.8		
The param of Device wh OK,You can search for n	ch MAC is 00E5284C5700set			



2. Click *<Search in LAN>* to search for the module within the network.

Module work mode	TCP Client 💌	Show Expand functions i-		
Module IP	192.168.1.150	Operate via COM (?) CFG connect to GND		
Subnet mask	255.255.255.0	Select serial port COM4 💽 (
Default Gateway	192.168.1.1	Read via COM		
Baud Rate(bps)	115200	Setup via COM		
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		Module IP MAC Ver		
.ogs		192.168.1.150 00E6284C5700 5.8		
The param of Device wh OK,You can search for n	ich MAC is 00E5284C5700set A			

3. Click the module to confirm.

arameters (?)	-	
Module work mode	TCP Client	Show Expand functions i
Module IP	192.168.1.150	Operate via COM (?) CFG connect to GND
Subnet mask	255.255.255.0	Select serial port COM4 💌 🤇
Default Gateway	192.168.1.1	Read via COM
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Module port	20108	Search in LAN
Destination IP	192.168.1.200	Set selected item via LAN
Destination Port	10008	Device list in the Net
ogs		192.168.1.150 00E6284C5700 5.8
The param of Device wh OK You can search for n	ich MAC is 00£6284C5700set ew setting later.	



4. Choose the *<Module Work Mode>* to be TCP Client, and set an available IP address for the module, please also make sure the other network settings are correct.

Modulo work mode	TCR Client		Sho	w Expand functio	ins i-
Module work mode	TICP Client	-		a Expanditanceo	101
Module IP	192.168.1.150		Operate via COM	(?) CFG conn	ect to GND
Subnet mask	255.255.255.0		Select serial port	COM4	•
Default Gateway	192.168.1.1			Read via COM	
Baud Rate(bps)	115200			Setup via COM	
Parity/Data/Stop	NONE V 8 V	· 1 •	Operate via LAN	(?) Leave CF	G pin free
Module port	20108		Search in LAN		
Destination IP	192.168.1.200		Set selected item via LAN		
Destination Port	10008		Device list in the Net		
			Module IP	MAC	Ver
ogs			192,168,1,150	00E6284C5	700 5.8
The param of Device wh OK You can search for n	ich MAC is 00E6284C57 ew setting later.	00set 🔺			

5. Configure the COM settings based on the POS hardware settings.

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Module work mode	TCP Client	Snow Expand functions (
Module IP	192,168.1.150	Operate via COM (?) CFG connect to GND		
Subnet mask	255.255.255.0	Select serial port COM4 (?		
Default Gateway	192.168.1.1	Read via COM		
Baud Rate(bps)	115200	Setup via COM		
Parity/Data/Stop	NONE • 8 • 1	Operate via LAN (?) Leave CFG pin free		
Module port	20108	Search in LAN		
Destination IP	192.168.1.200	Set selected item via LAN		
Destination Port	10008	Device list in the Net		
		Module IP MAC Ver		
qs		192.168.1.150 00E6284C5700 5.8		
The param of Device wh OK, You can search for n	ich MAC is 00E5284C5700set			



6. Input the DVR/NVR's IP address and the POS port settings (Default is 10000).

alameters (f)				
Module work mode	TCP Client	Show Expand functions i		
Module IP	192.168.1.150	Operate via COM (?) CFG connect to GND		
Subnet mask	255.255.255.0	Select serial port COM4 💌 (*		
Default Gateway	192.168.1.1	Read via COM		
Baud Rate(bps)	115200	Setup via COM		
Parity/Data/Stop	NONE • 8 • 1 •	Operate via LAN (?) Leave CFG pin free		
Module port	20108	Search in LAN		
Destination IP	192.168.1.200	Set selected item via LAN		
Destination Port	10008	Device list in the Net		
	· · · · ·	Module IP MAC Ver		
Logs		192.168.1.150 00E6284C5700 5.8		
The param of Device wh	ich MAC is 00E6284C5700set			
OK,You can search for n	ew setting later.			

7. Click *<Set Selected item via LAN>* to confirm the parameters and update them to the module, then the server is ready.

Search OĐIA Help				
arameters (?)				
Module work mode	TCP Client	Show Expand functions i		
Module IP	192.168.1.150	Operate via COM (?) CFG connect to G	ND	
Subnet mask	255.255.255.0	Select serial port COM4	• (?)	
Default Gateway	192.168.1.1	Read via COM		
Baud Rate(bps)	115200	Setup via COM		
Parity/Data/Stop	NONE • 8 • 1 •	Operate via LAN (?) Leave CFG pin fre	e	
Module port	20108	Search in LAN		
Destination IP	192.168.1.200	Set selected item via LAN		
Destination Port	10008	Device list in the Net		
	1	Module IP MAC Ver		
005		192.168.1.150 00E6284C5700 5.8		
The param of Device wh OK, You can search for n	ich MAC is 00E6284C5700set *			