

IP Serial Server 1 Port for DIN Rail

User Manual Benutzerhandbuch Manuel d'utilisateur Manuale English Deutsch Français Italiano

Hersteller / Manufacturers (EU):

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LINDY No. 42721

www.lindy.com

CE

Introduction

ted to Comply with FCC Standards Home and Office Use!

LINDY ELECTRONICS LIMITED & LINDY-ELEKTRONIK GMBH

English

SECOND EDITION

Thank you for purchasing the LINDY IP serial Server for DIN Rail Mounting. It allows connection of a RS232 serial device to 10/100 Ethernet, thus controlling a RS232 device or reading out data from a measuring instrument with RS232 port via internet or an in-house network.

Main Features

English

- Mode: Asynchronous serial communication
- Connectors: 1x D9 M, 1x RJ-45 F (10/100 Mbit/s)
- 10/100 Mbit/s, auto MDI/MDIX
- Configurable via web browser
- Full and half duplex serial port modes
- Baud rate up to 921.6 Kbit/s
- For DIN Rail mounting
- Includes 12V 1.25A MC PSU w/1.4m DC cable and DC adapter cable (5.5/2.5mm to 3.5/1.35mm)
- 2-pin terminal block, supports 10-30V power input
- Power consumption: 90mA@24VDC
- Supported Operating Systems: Windows 2000/XP/Server 2003/Vista/Server 2008/Windows 7 (64-bit)/8 & 8.1

Package Contents

English

- IP Serial Server
- Mounting Bracket
- Multi-Country PSU 12V 1.25A w/ DC adapter cable
- Generic CD
- LINDY Manual

Technical Specification

English

- Gateway, IP address
- Operation mode: VSP COM (Virtual Serial Port), TCP Server, TCP Client, UDP, Paired Mode
- Signals: TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND
- Remote Control of RTS, CTS, DTR and DSR lines
- Internal EEPROM for configuration storage
- Detailed status indication via LEDs
- Setup through the serial port or network
- HTTP, UDP (management configurable) tools setup
- "On the fly" commands for intermediate serial port configuration change
- Serial side modem commands for network connections control
- Direct control of ADSL modems
- Data Bits: 7, 8 Stop Bits: 1,2
- Flow Control: RTS/CTS, X-On/X-Off
- Parity: None, Even, Odd, Space, Mark
- Supports HTTP, DHCP, ICMP (PING), Static IP and ARP
- 1024KB flash for firmware, aplication and data storage
- 2KB EEPROM for data storage
- 15 kV ESD protection for RS-232 serial port
- Operating Temperature: -35°C ~ 70°C
- Humidity: 5-95%, non-condensing

The Virtual Serial Port Drivers for Windows allow you to transparently access your device server's serial port as if it was a real COM port of your PC.

This serial over IP device supports standard TCP/IP and UDP/IP protocols. Open a socket and exchange data with the serial port of your device server directly.

English



D9 female pin assignment:



TX+

TX-

RX+

RX-

Connector RJ45:

Initial factory setting:

• Button reset 5sec. up recovery initial factory

PIN

1

2

3

6

- Password: no
- IP address: 192.168.1.1

Dimension of the housing:



- Gateway address: 192.168.1.254
- Subnet mask: 255.255.255.0

Set up steps - Software:

- 1. On the driver CD go to the directory 'RS232 Device Server'.
- According to your Windows version (32 or 64 Bit), open up the respective subdirectory ('Serial Device Server -<OS suffix>', where 'OS suffix' means 'x86' for a 32Bit Windows and 'amd64' for a 64Bit Windows).
- From this directory run the file 'ATILDST<serial no.><OS suffix>.exe. The term 'serial no.' may vary depending on the driver version.
- 4. The following Windows will open subsequently and require your action before the installation can be started:
 - "Licence Agreement" ->
 - "Choose Components", we recommend to choose "full" Next

I Agree

"Choose Install Location", we recommend to leave this as
 Install

suggested ->

- "Completing the Atil Device Server Toolkit Setup Wizard"
 Finish
- 5. After completing the installation process, from the start or metro menu, the software "Atil VSP Manager" may be started.

Configuration via network

->

- Open your browser and navigate to http://192.168.1.1
- In the original factory settings, no password is required just click 'Login'.
- Adjust your settings to your needs as described in the file "RS232 Device Manager - manual.doc" on the CD.

Application

English

Virtual Serial Port Driver installation guide for Windows XP/7/8.x 32bit - 64bit



ATILDST-5-09-02-amd64 for 64bit windows operation system ATILDST-5-09-02-x86 for 32bit windows operation system

ATILDST-5-09-02-x8 File Edit View Favorit	16 tes Tools Help
🕝 Back 🔹 🕥 - 💋	🏂 🔎 Search 💫 Folders 🛄 •
Address 🛅 D:\ ATILDST-5-	09-02-x86
Folders top 4y Documents 4y Computer 31/s Floppy (A:) Local Disk (C:) DVD-RAM Drive (D:)	ATTLDST-5-09-02-x86 Atil Device Server Toolkt Setup: Atil Technology CO.,LTC PDB File 1,019 KB PDB File 1,435 KB
RUN ATILDST	-5-09-02-x86









POWER ON Serial Over IP Device RUN Atil VSP Manager

Virtual Serial Ports setting

Click Add

Atil VSP Manager - V5 9 5		New Atil Virtual Serial Port Properties	<u>?</u> ×
Port Help		VSP Properties Control Lines Default Serial Settings	
Port name Routing m Destination Local	Add	VSP name: COM20 VSP rate: Main Config	5
COM21 TCP client 192.6.1.15:1002 COM22 TCP client 192.6.1.15:1003 COM23 TCP client 192.6.1.15:1004 COM30 TCP client 192.6.1.16:1001 COM30 TCP client 192.6.1.14:1001 COM30 TCP client 192.168.1.1:1001 COM41 TCP client 192.168.0.3:1002 COM42 TCP client 192.168.0.3:1003 COM43 TCP client 192.168.0.3:1004 COM43 TCP client 192.168.0.3:1004 COM43 TCP client 192.168.0.3:1004 COM43 TCP client 192.168.0.3:1001	Remove Remove All Properties Allow ✓ Per-User Configs	Networking Transport Transport Provider: Provider:	
Add, edit, repove Atil Virtual Serial Ports			ancel
			anco



sr rioperties []	Control Lines Defau	lt Serial Settings		
VSP name:	СОМ20	For user:	Main Config	
Networking				
Transport protocol:	TCP	Transport provider:	TDI (default)	*
Routing mode:	Client	Connection mode:	On data	*
On-the-fly commands:	In-band	OTF index:	0	* *
Listening port:	1001	Connection timeout:	5	*
Destination				
Specify by:	IP-address	B	rowse for DS	.)
15 11	127.0.0.1	. 100	6	

Search Serial over IP Devices Different Local Area Network

1000-101300	very Address Book			
Status	MAC	IP	Owner/Device name	Refresh
(III)	0.127.2.3.4.102	192.168.1.1 (local)	abcd/abcd	Select
				Settings
				Upgrade
				Initialize
				Routing Status
				Buzz!
				Change IP
				Add
				Find
9			>	
0	Devices on the local n	work segment. This list is cre	ated automatically by the DS Man	ager.
	Lick here to learn mo	re about the auto-discovery ad	cess mode. <u>More mio</u>	

Click blue icon and Settings Change IP address

K	Settings: DS {ds1.0}	
	General Ch1 Ch2 (Ch3 Ch4 All
	Owner name	abcd
	Device name	abcd
	DHCP	0- Disabled
	IP-address	192.168.1.1
	Gateway IP-address	192.168.1.254
	Subnet mask	255.255.255.0
	Number of serial ports in use	0
	Save Load	Password OK Cancel

Change IP address Local Area Click OK Reboot Serial Over IP Device



Click Refresh



	General	Ch1	Ch2	Ch3	Ch4	All	
	Owner	name /		abcd			
	Device	name		abcd			
	DHCP			0- Disa	bled		
	IP-addr	ress		192.6.1	.14		
	Gatewa	y IP-addr	ess	192.16	8.1.254		
	Subnet	mask		255.25	5.255.0		
	Numbe	r of serial	ports in use	9 0			
	Save		Load	Pass	word	OK	Cancel
	+						
C	lick Ch1						

Click Ch1

🚫 Settings: DS {ds1.0}

For RS232

Settings: DS {ds1.0}	
General Ch1 Ch2	Ch3 Ch4 All
Connection timeout (min)	5
Transport protocol	1- TCP
Broadcast UDP data	(intelevant)
Inband commands	1- Enabled
Routing Mode	0- Server (Slave)
Accept connection from	0- Any IP-address
Port	1001
Connection mode	(irrelevant)
Destination IP-addres	(intelevant)
Destination port	(intelevant)
Serial interface	0- Full-duplex (RS232) 🗨
RTS/CTS flow control	0- Disabled OR remote
DTR mode	0- Idle OR remote
Power-up DTR state	0-LOW
Baudrate	7-115200bps
Parity	0- None
Data bit	1-8 bits
Max intercharacter delay	1
Soft entry into serial program	r O- Disabled
Escape character (ASCII co	(intelevant)
On-the-Fly commands	1- Enabled
Password for on-the-Fly co	r O- Disabled
Noffication fitmask	0
Notification destination	(irrelevant)
Save Load	Password OK Cancel
Nave 1000	

Baud rate setting Serial Over IP Device Power ON Initial Baud rate the same equipment

TCP/IP (Winsock)

RS422

Settings: DS {ds1.0}	
General Ch1 Ch2 Ch3 Ch4 All	
Connection timeout (min) 5	
Transport protocol 1- TCP	
Broadcast UDP data (Irrelevant)	
Inband commands - Enabled	
Routing Mode O- Server (Slave)	
Accept connection from 0- Any IP-address	
Port 1001	
Connection mode (irrelevant)	
Destination IP-address (irrelevant)	
Destination port <u>(irrelevant)</u>	
Serial interface 2- Full-duplex (RS422)	•
RTS/CTS flow control 0- Disabled OR remote	
DTR mode 0- Idle OR remote	
Power-up DTR state 0- LOW	
Baudrate 7-115200bps	
Panty U- None	
Data bits 1-8 bits	
Max intercharacter fielay 1	
Soft entry into senal programi U- Disabled	
Estape character (ASCII cod (melevant)	
On-me-Fry commands I- Enabled	
Notification bitmask 0	
Notification distinction (irrelevent)	
(LLGL VUL)	
Save Load Password OK	Cancel

Baud rate setting Serial Over IP Device Power ON Initial Baud rate the same equipment

TCP/IP (Winsock)



RS485

I	Setting	s: DS {d	s1.0}	
G	eneral	Chi	Ch2	Ch3 Ch4 All
Г	Connec	tion timec	ut (min)	5
	Transpo	ort protoco	ol	1- TCP
	Broad	lcast UDP	d.a.ta	(irrelevant)
	Inban	d comma	nds 🛛	1- Enabled
	Routing	g Mode		0- Server (Slave)
	Accep	pt connect	ion from	0- Any IP-address
	Port			1001
	Conn	ection mo	de	(intelevant)
	Destir	nation IP-s	address	(imelevant)
	Destir	nation por	t _	(intelevant)
	Serial in	nterface	/ L	1- Half-duplex (RS485)
	RTS/C1	IS flow co	intro	0- Disabled OR remote
	DTR m	ode		0- Idle OR remote
	Powe:	r-up DTR	state	0-LOW
	Baudrat	be		7-115200bps
	Parity			U- None
	Data Mit	2		1-8 bits
	Max nt	ercharact	r delay	1
	Softent	ry into so	rial program	r O- Disabled
	Escap	e characte	r (ASCII co	(imelevant)
	On-the-	Fly comm	ands	1-Enabled
	Passw	ord for or	n-the-Fly co	r U- Disabled
	Notifica	tion hitms	ask	U
	Notifica	dion desti	nation	(melevant)
	Save	þc	Load	Password OK Cancel

Baud rate setting Serial Over IP Device Power ON Initial Baud rate the same equipment

TCP/IP (Winsock)



🔀 Atil DS Manager - ¥5.9.5 File Access mode Device Help Auto-Discovery Address Book Status MAC IP Owner/Device name Refresh 0 127 2 3 4 102 00 192.6.1.14 (Select Settings Upgrade Initialize Routing Status Buzz! Change IP Add Find This is a 4-port Device Server This device is operating normally No 5-tive data connections

Red block set and Click OK



Click Select

Virtual Serial Port (Virtual COM Port) OK Open COM20

🔍 Atil VSP	Manager - ¥5	.9.5		
<u>Port H</u> elp				
Port name COM21 COM22 COM23 COM30 COM5 COM41 COM42	Routing m TCP client TCP client TCP client TCP client TCP client TCP client TCP client	Destination 192.6.1.15:1002 192.6.1.15:1003 192.6.1.15:1004 192.6.1.14:1001 192.168.1.1:1001 192.168.0.3:1002 192.168.0.3:1003	Local	Add Remove Remove All Properties
COM43 COM50 COM29 COM20	TCP client TCP client TCP client TCP client	192.6.1.220:1004 192.6.1.220:1001 192.168.0.3:1001 192.6.1.14:1001		Allow ✓ Per-User Configs
Add, edit, remo	ove Atil Virtual Se	rial Ports		

🍓 Atil VSP	Manager - ¥5	i.9.5		×
<u>Port H</u> elp				
Port name COM21 COM22 COM23 COM30 COM5 COM41 COM42 COM43 COM43 COM50 COM29 COM20	Routing m TCP client TCP client TCP client TCP client TCP client TCP client TCP client TCP client TCP client	Destination 192.6.1.15:1002 192.6.1.15:1003 192.6.1.15:1004 192.6.1.14:1001 192.168.0.3:1002 192.168.0.3:1003 192.168.0.3:1004 192.6.1.20:1001 192.6.1.20:1001 192.6.1.14:1001	Local	Add Remove Remove All Properties Allow Per-User Configs
Add, edit, remo	ove Atil Virtual Se	erial Ports		

Delete Virtual Serial Port select COM20 and Click Remove

Checking Virtual Serial Port Control Panel





Click Control Panel

System Re	store Auto	ppatic Updates	Remote
General	Computer Name	Hardware	Advanced
Device Mana Th on pro Drivers	ager e Device Manager lists your computer. Use th perties of any device. ver Signing lets yourme	all the hardware devic a Device Manager to c Device M Device M	es installed hange the anager
ho	w Windows connects t	. Windows Update lets o Windows Update for	you set up drivers.



Click Ports

Click Hardware and Device Manger

🚇 Device Manager
File Action View Help
 TEST Batteries Computer Display adapters DVD/CD-ROM drives Floppy disk controllers Floppy disk drives Floppy disk drives Human Interface Devices IDE ATA/ATAPI controllers Keyboards Mice and other pointing devices Communications Port (COM20) Communications Port (COM2) Printer Port (IPT)
Recessors
 Sound, video and game controllers

Test COM Port Loop back

Loop back DB9

DB9 Male



DB9 M		
Pin RS232		
1	DCD	
2	RXD	
3	TXD	
4	DTR	
5	GND	
6	DSR	
7	RTS	
8	CTS	

Serial over IP Virtual Serial Port OK

Open Hyper Terminal





Name aa

😋 aa - HyperTeri File - Edit - View - Ca	Connect To
	🦓 aa
-	Enter details for the phone number that you want to dial:
	Country/region:
	Area code:
	Phone number:
	Connect using: COM20
	OK Cancel
isconnected	

M20 Properties		
Bits per second:	115200	
Data bits:	8	~
Parity:	None	*
Stop bits:	1	~
Flow control:	None	~
	Restore	Defaults
0	K Cancel	Apply



Virtual Serial Port COM20 test OK

TCP/IP Link

Check set Ch Transport protocol

🐼 Settings: DS {ds1.0}	
General Ch1 Ch2 (Ch3 Ch4 All
Owner name	
Device name	
DHCP	0- Disabled
IP-address	192.6.1.200
Gateway IP-address	1.0.0.1
Subnet mask	255.255.255.0
Number of serial ports	0- One port
Save Load	Password OK Cancel

Settings: DS {ds1.0}	
General Ch1 Ch2 (Ch3 Ch4 All
Connection timeout (min)	5
Transport protocol	1- TCP
Broadcast UDP data	(irrelevant)
Inband commands	1- Enabled
Routing Mode	0- Server (Slave)
Accept connection from	0- Any IP-address
Port	1001
Connection mode	(irrelevant)
Destination IP-address	(intelevant)
Destination port	(irrelevant)
Serial interface	0- Full-duplex (RS232)
RTS/CTS flow control	0- Disabled OR remote
DTR mode	0- Idle OR remote
Power-up DTR state	0-LOW
Baudrate	7-115200bps
Parity	0- None
Data bits	1-8 bits
Max intercharacter delay	1
Soft entry into serial program	0- Disabled
Escape character (ASCII co	(intelevant)
On-the-Fly commands	1- Enabled
Password for on-the-Fly con	0- Disabled
Notification bitmask	0
Notification destination	(irrelevant)
Save Load	rassword UK Cancel
	/

Select Serial interface RS232 RS422 RS485



IP-address: 192.6.1.200 Default Port number :1001 Ch1=1001,Ch2=1002,Ch3=1003,Ch4=100

🌯 TEST - HyperTerminal	
File Edit View Call Transfer Help	
D 🖻 🍘 🐉 🗈 🛅 🖆	
TEST OK TEST OK	
Connected 0:00:55 Auto detect TCP/IP SCROLL CAPS NUM Cap	pture Prinț

Virtual Serial Port Driver Windows 7

ATILDST-5-09-02-amd64 for 64bit windows operation system

ATILDST-5-09-02-x86 for 32bit windows operation system

名稱 ④ ATILDST-5-09- ☐ tsvc.pdb ☐ tvspd.pdb	05-x86	修 2C 2C 2C
ATILDST	-5-09-05-amd64	- 🗆 ×
€ ∋ • ↑ 🎍 «	本機 → ATILDS	▼ C 搜尋 ATIL ♪
☆ 我的最愛 ▶ 下載 ■ 桌面 3 最近的位置	▲ 名稱 《 ATILDST-5-09-0 〕 tsvc.pdb 〕 tvspd.pdb	25-amd64
p∰ 本機 	v <	>

RUN





RUN Atil VSP Manager



Port name				
	Routing mode	Destination	Local	Add Remove Remove All
				Allow Properties Allow Per-User Configs

Add Virtual Serial Ports

Atil DS Manager - V5.9.5 File Access mode Device Help

New Atil Virtual Serial Port Properties			
VSP Properties Co	ontrol Lines Default S	erial Settings	
VSP name: [сомз 👻	For user:	Main Config
Networking			
Transport protocol:	TCP 🔻	Transport provider:	TDI (default) 🔻
Routing mode:	Client 🔹	Connection mode:	On data 🔻
On-the-fly commands:	Out-of-band 🔹	OTF index:	0
Listening port:	1001	Connection timeout:	5
Destination			
Specify by:	IP-address	• B	rowse for DS
IP-address:	127.0.0.1	: 100	1
		確定	取 消

Auto-Discovery Address Book Status MAC IP Owner/Device n... Refresh 0.127.2.3.4.102 192.6.1.14 (local) abcd/abcd Select Settings Upgrade Initialize Routing Status Buzz! Change IP Add Find Devices on the local network segment. This list is created automatically by the DS Manager. Click here to learn more about the auto-discovery access mode. <u>More info...</u>

Settings

Select Click Browse for DS

Auto-Discovery			
Status M	General Chi All	Re	fresh
0 00	Connection timeout (min)	5 ^ 8	1
	Transport protocol	1- TCP	lect
	Broadcast UDP data	(melevant) Set	ttings
	Inband commands	1- Enabled	grade
	Routing Mode	0- Server (Slave)	
	Accept connection from	0- Any IP-address =	halize
	Port	1001 outin	ng Status
	Connection mode	(irrelevant)	1122
	Destination IP-address	(intelevant)	
	Destination port	(irrelevant)	nge IP
	Serial interface	0- Full-duplex (RS232)	
	RTS/CTS flow control	0- Disabled OR remote	idd
	DTR mode	0- Idle OR remote	
	Power-up DTR state	0-LOW	find
	Baudrate	7-115200bps	
	Parity	0- None	
	Datahite	1-8 hite	
	Save Load	Password OK Cancel	
Ker (

Baud rate setting Serial Over IP Device Power ON Initial Baud rate the same equipment

TCP/IP (Winsock)

Settings: DS {ds3.5}	
	abad
Device name	abed
DHCP	0- Disabled
IP-address	192.6.1.14
Gateway IP-address	192.6.1.14
Subnat mack	255 255 255 0
Save Load	Password OK Cancel

Change IP address Local Area Click OK

Reboot Serial Over IP Device



il Virtual Serial	Port (COM20) Proper	ties erial Settings	
VSP name:	COM20	For user: Admin	istrator
Networking		_	
Transport protocol:	TCP 💌	Transport TDI (provider:	default) 🔻
Routing mode:	Client	Connection On da mode:	ata 🔻
On-the-fly commands:	In-band 🔻	OTF index: 0	
Listening port:	1001	Connection 5 timeout:	V
- Destination-			
Specify by:	IP-address	• Browse	for DS
IP-address:	192.6.1.14	: 1001	
		確定	取消
		-96776	

IP-address :port OK

Port Help	D			
Port name	Routing mode	Destination	Local	Add
СОМ20	TCP client	192.6.1.14:1001		Remove
				Remove All
				Properties
				Allow Per-User Configs

Virtual Serial Port



Virtual Serial Port Driver Windows 8.x

ATILDST-5-09-02-amd64 for 64bit windows operation system



Test COM Port Loop back

🔁 HTerm 0.8.1beta
File Options View Help
Disconnect Port COM20 • R Baud 115200 • Data 8 • Stop 1 • Party None • CTS Flow control
Rx 12 Reset Tx 12 Reset Count 0 🖨 0 Reset Newlne at None 👻 🗸
Clear received Asci Hex Dec Bin Save output Clear at 0 Newline every 0 Autoscroll Show er
Sequence Overview X Received Data
1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 abcdefabcdef
Okar transmitted Asci Hex Dec Bin Send on enter (None Vised file DTR RTS Type ASC abcdef Asend
Transmitted data ×
1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75
History -/0/10 Connect to COM20 (b:115200 d:8 s:1 p:None)

RUN







/SP Properties	Control Lines	Defa	ult Serial S	ettings	
VSP name:	СОМЗ	~	For user:	Main Con	fig
Networking					
Transport protocol:	TCP	~	Transport provider:	TDI (def	ault) 🗸
Routing mode:	Client	*	Connection mode:	On data	*
On-the-fly commands:	Out-of-band	~	OTF index:	0	•
Listening port:	1001		Connection timeout:	5	•
Destination					
Specify by:	IP-address		∀ B	rowse for	DS
IP-address:	127.0.0.1		: 100	1	
		-			

Select Click Browse for DS

RUN Atil VSP Manager



Add Virtual Serial Ports



Auto-Disc	overy Address Book			
Status	MAC IP	Owner	Device n	Refresh
	0.127.2.3.4.102 192.6.1.	14 (local) abcd/al	bcd	Select
	😒 Se	ttings: DS {ds3.5}	- 🗆 🗙	Settings
	General Ch1 #11			Upgrade
	Connection timeout (min)	5		Initialize
	Transport protocol	1- TCP	^î	Routing Status
	Broadcast UDP data	(irrelevant)		Buzzl
	Inband commands	1- Enabled		Cl ID
	Routing Mode	0- Server (Slave)		Change Ir
	Accept connection from	O- Any IP-address		
	Port	1001		Add
	Connection mode	(irrelevant)		Find
	Destination IP-address	(intelevant)		
	Destination port	(intelevant)		
	Serial interface	0- Full-duplex (RS232)		
_	RTS/CTS floy control	0- Disabled OR remote]
	DTR mode	0- Idle OR remote		
10	Power-up DTR state	0-LOW		
	Baudrat	7-115200bps		
	Parity	0- None		
_	Data hite	- 8 hite	· · ·	

Baud rate setting Serial Over IP Device Power ON Initial Baud rate the same equipment

TCP/IP (Winsock)



Change IP address Local Area Click OK Reboot Serial Over IP Device





VSP name COMx IP-address: port OK

4

Select



Virtual Serial Port OPEN COM20 OK



WEB setting

Initial factory setting Password : IP-address:192.168.1.1 Gateway-address :192.168.1.254

Example IP 192.6.1.14 Local Area Network



Test COM Port Loop back

a to	HTerm 0.8.1beta -	□ ×
File Options View I	Help	
Disconnect Port	COM20 v R Baud 115200 v Data 8 v Stop 1 v Parity None v CTS	Flow contr
Rx 20	Reset Tx 20 Reset Count 0 - 0 Reset Newline at None	v V
Clear received	Ascii Hex Dec Bin Save output	Show e
Sequence Overview	K Received Data	
	12345678901234567890	
	Input control	×
	Input options Oter transmitted Image: Asci = Hex = Dec = Bin Send on enter None Image: Send file DTR Type ASC V 1234567290 1234567290 1234567290 1000000000000000000000000000000000000	RTS ASend
	Transmitted data	×
	1 5 10 15 20 25 30 35 40 45 50 55 60 65 70	75
]	

ATIL	General Settings	ł
General Settings	Setting name	Setting value
Routing Status	Login Password	
Initialize	Owner Name	abod
Reboot	Device Name	abod
Log out	DHCP	192.61.14
	Gateway IP-address	192.168.1.254
	Subnet Mask	255.255.255.0
	Save Reload	
完成		開路 🛛 🖓 🖌 🔍 100%

IP-address xxx.xxx.xxx configuration

OK Save

Serial Setting

For Atil VSP Manager and TCP/IP (Winsock)

ATIL	Serial Settings	
General Settings	Sotting name	Soffing value
Serial Settings	Setting name	Setting value
Pouting Status	Connection Timeout	5
roung oralus	Transport Protocol	TCP 🗸
Initialize	Broadcast UDP Data	Reject 💌
Reboot	Inband Commands	Enabled 🗸
Log out	Routing Mode	Server (Slave) 🗸 🗸
	Accept Connection From	Any IP-address 🗸 🗸
	Port	1001
	Connection Mode	On data OR command 🛛 👻
	Destination IP-address	1.0.0.1
	Destination Port	1001

ATIL	Destination Port	1001	^
	Serial Interface	Full-duplex (RS232)	
General Settings	RTS/CTS Flow Control	Disabled OR remote 🛛 🖌	
Serial Settings	DTR Mode	Idle OR remote	
Routing Status	Power-up DTR State	LOW	
Initialize	Baudrate	115200bps 🖌	
Reboot	Parity	None	
Log out	Data Bits	8 bits	
	Max Interconaracter Delay	1	
	Soft Entry Into Serial Programming Mode	Disabled 🖌	
	Escape Character (ASCII Code)	0	
	On-the-fly Commands	Enabled	3
	Password for On the fly Commands	Disabled	
	Notification Bitmask	0	
	Notification Destination	Last port 🖌	
	Save Reload		~
~	<		>

Power ON Initial Baud rate TCP/IP (Winsock) baud

Routing Status

ATIL	Ethernet -> Serial(data/capacity)	0/4079
0	Serial -> Ethernet(data/capacity)	0/3567
General Settings	Network Con	nection
Serial Settings	Network Interface	Ethernet
Politing Statue	Connection State	Idle
Rouing Status	Local Port	1001
Initialize	Remote IP	192.6.1.103
Doboot	Remote Port	49159
Rebool	Serial P	ort
Log out	Port State	Closed
	Comm mode	Full-duplex
	Baudrate	115200bps
	Flow Control	None
	Parity	None
	Data bits	8 bits/word
	CTS	HIGH
	DSR	LOW
	RTS	HIGH
	DTR	HIGH
	DCD	LOW

ATIL		General Settings	;
General Settings			
Serial Settings		Setting name	Setting value
Routing Status		Login Password	
Initializa	≡	Owner Name	abod
iniualize		Device Name	abod
Reboot		DHCP	Disabled 🗸
Log out		IP-address	192.6.1.14
		Gateway IP-address	192.168.1.254
		Subnet Mask	255.255.255.0
		Save Reload	
	~	۰	
完成			周路 🛛 🍖 🚽 🔍 100% 🔹

Initial factory setting Password : IP-address:192.168.1.1 Gateway-address :192.168.1.254

Initialize	Device Name	abod
Reboot	DHCP	Disabled 🗸
Log out	IP-address Gateway I Subnet Ma Save Rstoad	xe? schwe after reboot!

Serial Settings Routing Status Initialize	Setting name Login Password Owner Name Device Name	Setting value	
Routing Status	Login Password Owner Name Device Name	abod	
Routing Status	Owner Name Device Name	abod	
Initialize	Device Name	1	
		abod	
Reboot	DHCP	Disabled 🗸	
Log out	IP-address	192.6.1.14	
	Gateway IP-address	192.168.1.254	
	Subnet Mask	255.255.255.0	
	Save Reload		
~ •	() 		

Einführung

Vielen Dank für den Kauf des LINDY IP Serial Servers mit dem Sie ein beliebiges RS232-Gerät an ein 10/100 Netzwerk anschliessen können. Er ermöglicht die Steuerung eines seriellen RS232-Gerätes oder das Auslesen von Daten eines Messgerätes über das Internet oder ein hausinternes Netzwerk.

Technische Spezifikation

- Modus: Asynchrone, serielle Kommunikation
- Anschlüsse: D9 Buchse (RS232), RJ45 Buchse (10/100Mbit/s)
- 10/100Mbit/s, Auto MDI/MDIX
- Konfigurierbar über Webbrowser
- Unterstützt Voll- und Halbduplexmodus
- Baudrate bis 921,6 Kbit/s
- Für DIN Hutschienenmontage oder Desktop
- Inklusive 12V 1,25A Multi-Country Netzteil mit 1,4m DC Kabel und DC Stromadapterkabel (5,5/2,5mm an 3,5/1,35mm)
- 2 Pin Klemmblock 10-30V
- Stromverbrauch: 90mA@24VDC
- Unterstützte Betriebssyteme: Windows 2000 / XP / Server 2003 / Vista / Server 2008 / 7 (64bit) / 8 & 8.1

Lieferumfang

Deutsch

- IP Serial Server
- Multi-Country Netzteil 12V 1,25A, DC Stromadapterkabel
- Klammer für Hutschienenmontage
- CD mit Treibern
- Dieses Handbuch

Technische Spezifikation

Deutsch

- Gateway, IP Adresse
- Betriebsmodi: VSP COM (Virtual Serial Port), TCP Server, TCP Client, UDP, Paired Mode
- Signale: TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND
- Fernsteuerung der RTS, CTS, DTR, DSR Protokolle
- Internationales EEPROM für Konfigurationsspeicherung
- Detaillierte Statusanzeige durch LEDs
- Konfiguration über seriellen Port oder Netzwerk
- HTTP, UDP Setup Tool (Management konfigurierbar)
- Echtzeit-Befehle f
 ür Konfigurations
 änderungen des virtuellen, seriellen Ports
- Befehle vom seriellen Modem zur Kontrolle der Netzwerkverbindung
- Direkte Kontrolle von ADSL Modems
- Daten-Bits: 7, 8 Stopp-Bits: 1,2
- Flusskontrolle: RTS/CTS, X-On/X-Off
- Parity: None, Even, Odd, Space, Mark
- Unterstützt HTTP, DHCP, ICMP (PING), statische IP-Adresse, ARP
- 1024KB Flash Speicher f
 ür Firmware, Anwendungen und Datenspeicherung
- 2KB EEPROM für Datenspeicherung
- 15 kV ESD-Schutz f
 ür den RS-232 Port
- Betriebstemperatur: -35°C ~ 70°C
- Feuchtigkeit: 5-95%, nicht kondensierend

Die "Virtual Serial Port"-Treiber für Windows erlauben den transparenten Zugriff auf den seriellen Port des Device Servers – genauso wie bei einem richtigen Com Port des PCs. Dieser IP Serial Server unterstützt Standard TCP/IP und UDP/IP Protokolle. Öffnen Sie eine TCP/IP-Verbindung und tauschen Sie Daten mit dem seriellen Port Ihres Device Servers. Installation

Deutsch



D9 Pinbelegung:

NO	D9 Male
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	

RJ45:

12	
	mi

PIN	
1	TX+
2	TX-
3	RX+
6	RX-

Deutsch

Werkseinstellung:

- Drücken des Reset-Knopfs für 5 Sek.
- Passwort: nicht erforderlich
- IP Addresse: 192.168.1.1
- Gateway Addresse: 192.168.1.254
- Subnetzmaske: 255.255.255.0

Softwareinstallation:

- 1. Suchen Sie auf der CD den 'RS232 Device Server'.
- Öffnen Sie das Unterverzeichnis Ihrer Windowsversion (32 oder 64 Bit): 'Serial Device Server -<OS suffix>' ('OS suffix' bedeutet 'x86' für Windows 32 Bit und 'amd64' für Windows 64 Bit).
- Starten Sie aus diesem Verzeichnis 'ATILDST<serial no.><OS suffix>.exe. Der Begriff 'serial no.' ist je nach Treiberversion verschieden.

I Agree

4. Folgende Fenster öffnen sich:

"Licence Agreement" ->

- "Choose Components", wir empfehlen "full" ->
 Next
- "Choose Install Location", wir empfehlen die Einstellung
 Install
 - beizubehalten ->
 - "Completing the Atil Device Server Toolkit Setup
 - Wizard" ->
- 5. Nach der Installation kann "Atil VSP Manager" gestartet werden.

Konfiguration via Netzwerk

- Öffnen Sie den Browser und navigieren Sie auf <u>http://192.168.1.1</u>
- In den Werkseinstellungen wird kein Passwort verlangt klicken Sie nur 'Login'.
- Nun können Sie weitere Einstellungen vornehmen.

Gehäuseabmessungen:



Detaillierte Informationen zur Treiberinstallation finden Sie oben im englischen Teil des Handbuchs unter der Überschrift "Application".

Introduction

Français

Merci d'avoir choisi le serveur IP pour rail DIN LINDY. Il permet la connexion de périphérique RS232 série au réseau Ethernet 10/100, permettant ainsi de contrôler un périphérique RS232 ou de lire les données d'un instrument de mesure possédant un port RS232 via internet ou d'un réseau local.

Caractéristiques

Français

- Mode: communication sérié asynchrone
- Connectiques: 1x D9 M, 1x RJ-45 F (10/100 Mbit/s)
- 10/100 Mbit/s, auto MDI/MDIX
- Configurable via navigateur internet
- Modes port série full et half duplex
- Vitesse de transmission (Baud rate) jusqu'à 921.6 Kbit/s
- Pour montage sur rail DIN
- Alimentation multi-pays 12V 1.25A / câble DC 1.4m et câble adaptateur DC (5.5/2.5mm 3.5/1.35mm)
- 2-pin terminal block, supports 10-30V power input
- Consommation: 90mA@24VDC
- Système d'exploitation pris en charge: Windows 2000/XP/Server 2003/Vista/Server 2008/Windows 7 (64-bit)/8 & 8.1

Contenu de la livraison

Français

- Convertisseur LAN vers RS232
- Nécessaire de montage pour rail DIN
- Alimentation multi pays 12V 1A
- CD
- Manuel LINDY

Specifications Techniques

Français

- Passerelle, adresse IP
- Mode de fonctionnement: VSP COM (Virtual Serial Port), TCP Server, TCP Client, UDP, Paired Mode
- Signaux: TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND
- Contrôle distant de liaisons RTS, CTS, DTR et DSR
- EEPROM interne pour mémorisation de la configuration
- LEDs pour indication détaillée d'état
- Configuration par port série ou réseau
- Outils de configuration HTTP, UDP (gestion configurable)
- Commandes à la volée ("On the fly") pour gestion intermédiaire de port série
- Commandes pour modems côté série pour le contrôle de connexions réseau
- Contrôle direct de modems ADSL
- Bits de données: 7, 8 Stop Bits: 1,2
- Contrôle de flux: RTS/CTS, X-On/X-Off
- Paritée: None, Even, Odd, Space, Mark
- Prise en charge HTTP, DHCP, ICMP (PING), Static IP et ARP
- Mémoire flash 1024KB pour firmware, stockage application et données
- EEPROM 2Ko pour stockage de données
- Protection électrique 15 kV ESD port série RS-232
- Température de fonctionnement: -35°C ~ 70°C
- Humidité relative: 5-95%, sans condensation

Les pilotes Virtual Serial Port Drivers pour Windows vous permettent d'accéder de façon transparente au port série de votre appareil via le serveur comme s'il s'agissait d'un port COM sur votre PC.

Cet appareil série via IP prend en charge les protocoles TCP/IP et UDP/IP standard. Ouvre un socket et échange des données avec le port série du serveur IP directement.

Des informations détaillées concernant le brochage et l'installation sont disponible ci-dessus dans le document dans la partie anglaise du manuel, sous "Application".



Affectation des broches DB-9 femelle:



Connecteur RJ45:

2	5	6
8		
чш	HHH	

PIN	
1	TX+
2	TX-
3	RX+
6	RX-

5. Après finalisation de l'installation, du menu démarrer ou metro, le logiciel "Atil VSP Manager" pourra être lancer.

Configuration via réseau

- Ouvrez votre navigateur à l'adresse <u>http://192.168.1.1</u>
- La configuration par défaut ne requiert pas de mot de passe – cliquez sur 'Login'.
- Ajustez vos paramètres.

Dimensions du boîtier:



Configuration par défaut:

Connecteur RJ45:

Configuration par défaut:

- Bouton reset 5sec. pour réinitialiser la configuration
- Pas de mot de passe par défaut
- Adresse IP: 192.168.1.1
- Adresse passerelle: 192.168.1.254
- Masque de sous réseau: 255.255.255.0

Etapes de configuration-Logiciel:

- Sur le CD de pilote allez dans le répertoire 'RS232 Device Server'.
- D'après votre version Windows (32 or 64 Bit), ouvrez le sous répertoire ('Serial Device Server -<OS suffix>', où 'OS suffix' indique 'x86' pour Windows 32Bit et 'amd64' Windows 64Bit).
- Dans ce répertoire, exécutez le fichier 'ATILDST<serial no.><OS suffix>.exe. Le terme 'serial no.' peut varier d'une version de pilote à l'autre.
- 4. La fenêtre suivante s'ouvre ensuite et exige votre intervention avant le démarrage de l'installation:



"Choose Components", nous recommandons le choix
 Next

"full" ->

"Choose Install Location", nous recommandons de laisser
 Install

I Agree

la valeur par défaut ->

"Completing the Atil Device Server Toolkit Setup Wizard"

```
-> Finish
```

Introduzione

Italiano

Italiano

Italiano

Grazie per aver acquistato il LINDY IP Serial Server su Guide DIN. Questo dispositivo permette di connettere apparati seriali RS232 ad una rete Ethernet 10/100 per controllare o rilevare dati da Sistema di misura tramite rete o direttamente da Internet.

Caratteristiche Principali

- Modalità Trasmissione: seriale asincrona
- Connettori: 1x D9 M, 1x RJ-45 F (10/100 Mbit/s)
- 10/100 Mbit/s, auto MDI/MDIX
- Configurabile via browser Web
- Modalità porta seriale Full e half duplex
- Baud rate fino a 921.6 Kbit/s
- Per montaggio su guide DIN
- Include un cavo di CC 12V 1.25A MC PSU w/1.4m e cavo adattatore DC (5.5/2.5mm - 3.5/1.35mm)
- Morsettiera a 2-pin per alimentazione, supporta tensione in ingresso da 10 a 30V
- Potenza assorbita: 90mA@24VDC
- Sistemi Operativi Supportati: Windows 2000/XP/Ser-ver 2003/Vista/Server 2008/Windows 7 (64-bit)/8 & 8.1

Contenuto della confezione

- Convertitore LAN a RS232
- Staffe di montaggio
- Alimentatore Multi-Country 12V 1A
- CD
- Manuale LINDY Manual

Specifiche Tecniche

Italiano

- Gateway, Indirizzo IP
- Modalità Operative: VSP COM (Virtual Serial Port), TCP Server, TCP Client, UDP, Paired Mode
- Segnali: TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND Controllo remoto delle linee RTS, CTS, DTR e DSR
- EEPROM interna per salvataggio della configurazione
- Indicazione stato dettagliato tramite LED
- Configurazione tramite porta seriale o rete
- Strumento di setup HTTP, UDP (gestione configurabile)
- Comandi "On the fly" per cambiamenti della configurazione della porta seriale durante il funzionamento
- Comandi Seriali Modem per controllo della configurazione della rete
- Controllo diretto di modem ADSL
- Data Bit: 7, 8 Stop Bits: 1,2
- Flow Control: RTS/CTS, X-On/X-Off
- Parità: None, Even, Odd, Space, Mark
- Supporta HTTP, DHCP, ICMP (PING), Static IP e ARP
- 1024KB flash per firmware, applicazioni e memorizzazione dati
- 2KB EEPROM per memorizzazione dati
- Protezione ESD 15 kV ESD per la porta seriale RS-232
- Temperatura Operativa: -35°C ~ 70°C
- Umidità: 5-95%, non condensata

Il driver Windows per porte Seriali Virtuali vi permette di accedere in maniera trasparente alla porta seriale remota come se fosse una porta COM reale del vostro PC

Questo dispositivo supporta i protocolli di rete standard TCP/IP e UDP/IP. E' possibile aprire un socket e scambiare dati direttamente con il vostro server seriale.

Legal Statements

Shielded cables must be used with this equipment to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

CE Statement

This equipment complies with the requirements relating to electromagnetic compatibility, EN55024 and EN55022 for ITE. It has been manufactured under the scope of RoHS compliance.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1. This device may not cause harmful interference, and

This device must accept any interference received, including interference that may cause undesired operation.

Recycling Information



WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer permitted to simply throw away electrical and electronic equipment. Instead, these products must enter an environmentally friendly recycling process.

Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency. <u>Deutschland</u>

Die EU hat mit der WEEE Direktive Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden im Elektro- und Elektronikgerätegesetz – Elektroß in deutsches Recht umgesetzt. Das Entsorgen von Elektronikgeräten über die Hausmülltonne ist verboten! Führen Sie Ihre alten Geräte den lokalen Sammelsystemen oder örtlichen Sammelstellen zu! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess sowie die optimierte umweltgerechte Wiederverwendung der Rohstoffe übernimmt die Gesamtheit der Gerätehersteller.

France

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique. Chaque Etat membre de l'Union Européenne a mis en application la nouvelle réglementation DEEE

Chaque Etat membre de l'Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

Italy

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate.

Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico. Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.



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