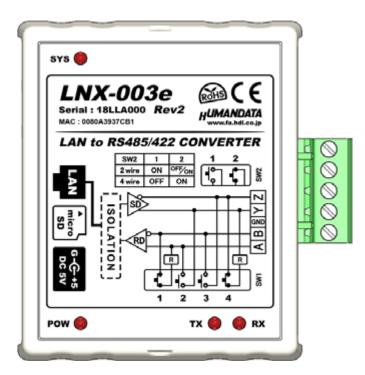




LNX-003e(Rev2)

User's Manual

Ver. 1.0



Economy Model (non PoE)

HuMANDATA LTD.



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• Precautions

Do Not	is therefore inappropriate fo quality or reliability and are	off-the-shelf electronic components, and or use in applications that require special e expected to protect human lives or afety mechanisms in fields including e, and nuclear power.
	2 Do not be used underwater	or in high-humidity environments.
	3 Do not be used in the present or other flammable gases.	nce of corrosive gases, combustible gases,
	4 Do not turn on power when other metal.	circuit board surface is in contact with
	5 Do not apply voltage higher	than rated voltage.

•	6	This manual may be revised in the future without notice owing to
		improvements.
/!\	7	All efforts have been made to produce the best manual possible, but
Attention		if users notice an error or other problem, we ask that they notify us.
Attention	8	Item 7 notwithstanding, HuMANDATA cannot be held liable for the
		consequences arising from use of this product.
	9	HuMANDATA cannot be held liable for consequences arising from
		using this product in a way different from the uses described herein,
		or from uses not shown herein.
	10	This manual, circuit diagrams, sample circuits, and other content
		may not be copied, reproduced, or distributed without permission.
	11	If the product emits smoke, catches fire, or becomes unusually hot,
		cut the power immediately.
	12	Do not install the control cables or communication cables together
		with the main circuit lines or power cables. In such an environment,
		it may result in malfunction due to noise.
	13	Be careful of static electricity.



• Revision History

Date	Revision	Description
Oct.25,2016	v1.0	Initial release

Introduction

Thank you for purchasing our product LAN to RS-485/422 Converter LNX-003e. LNX-003e is a LAN converter which makes it possible to use RS-485/422 devices via Ethernet local area network.

LNX-003e has obtained the CE marking.

1. Product Configuration

The following lists the product configuration of the LNX-003e.

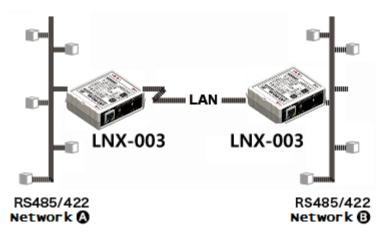
LAN to RS-485/422 Converter(LNX-003e)	1	
microSD card with USB adapter	1	
AC adapter(DC5V)	1	
Driver & Application CD	1	*
User's Manual	1	*

* There is for each one copy every order. (possible by request additional)

2. Product Summary

LNX-003e is a LAN converter which makes it possible to use RS-485/422 devices via Ethernet local area network. RS-485/422 side is isolated and the LAN interface is also isolated, so LNX-003e consists of double isolation.

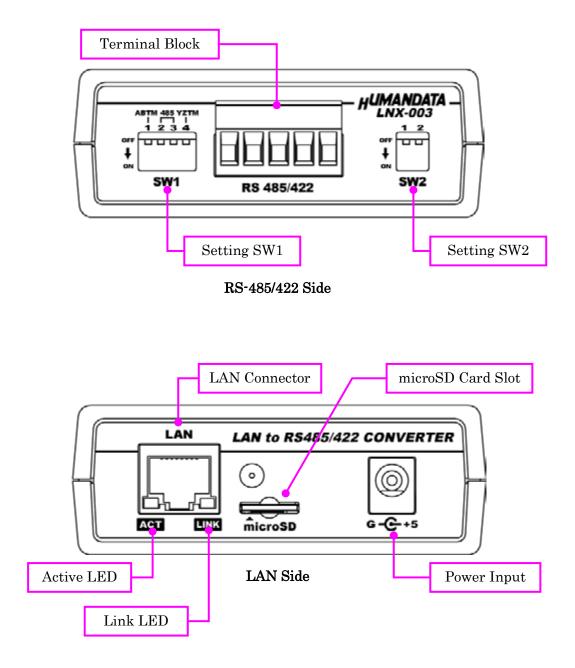
Tunneling mode is available by connecting with LNX-001 (USB to LAN converter) or LNX-003e. In that case, connecting with devices in other RS-485/422 network is possible. And by using TCP/UDP or Telnet, direct control from PC is also available.



LNX-003e is an economy model of LNX-003 from which only PoE function is removed. LNX-003e requires AC adapter for power supply.

Network setting can be set by a microSD card. Restoring the setting information from a microSD card is very convenient when replacing LNX-003e.

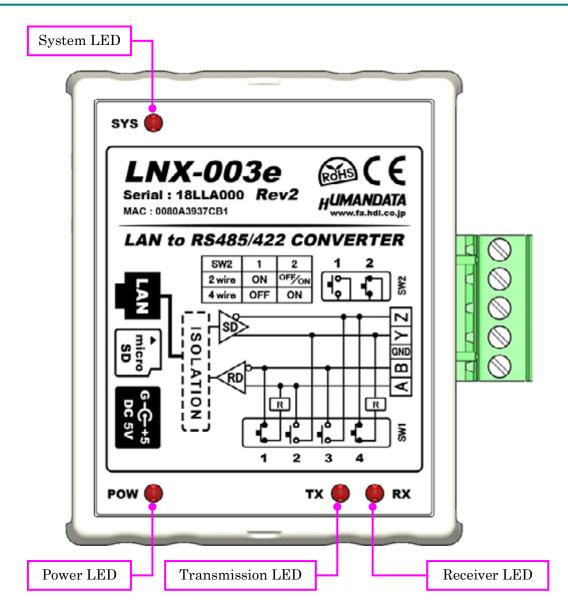
3. Part Names and Functions



LEDs

	Name(color)	Function
ACT	Active LED (green)	Turn on during network port communication.
LINIZ	Link LED (yellow)	Turn on when LNX-003e is powered and LAN cable is
LINK	LINK LED (yellow)	connected normally.





TOP Side

LEDs		
	Name(color)	Function
QVQ	Swatam LED (nod)	Blink few seconds during reading process.
515	SYS System LED (red)	Turn on when system is ready.
POW	Power LED (red)	Turn on when the power is supplied to the LNX-003e.
ΤХ	Transmission LED (red)	Turn on when data are transmited to RS485/422 side.
RX	Reception LED (red)	Turn on when data are received from RS485/422 side.



4. Specifications

4.1. Product Specification

Item	Description	Remarks
Model	LNX-003e	
Power	5VDC Supplied by AC adapter	
Current Consumption	Less than 350mA	
	IEEE802.3 (10Base-T)	
Network Interface	IEEE802.3u (100Base-TX)	
	half-duplex / full-duplex (auto detected)	
LAN Connector	RJ45	ESD protection $\pm 11 \text{KV}$
	1045	isolation over 1500Vrms
Protocol	TCP / UDP / Telnet	ESD protection $\pm 15 \text{KV}$
Interface	RS485/422 (2-wire or 4-wire)	5.08mm pitch
Interface	isolated from inner circuit (DC3000V)	5.08mm pitch
Connector	5 position Terminal Block	for setting
Connector	(PHOENIX CONTACT)	use SPI mode
Setting Memory Card	microSD card	
Baud Rate	300, 600, 1200, 2400, 4800, 9600, 19200,	
	38400, 57600, 115200, 230400 bps	
Data Bits	7 or 8 bits	
Stop Bits	1 or 2 bits	
Parity	Even, Odd, No parity	
	POW: Power LED	
	RX: Reception LED	
LED	TX: Transmission LED	
	SYS: System Status LED	
	LINK (RJ45 Connector): LINK Status	
	ACT (RJ45 Connector): ACT Status	

HUMANDATA.

Item	Description	Remarks
Operating Ambient	-10 to 55 °C	
Temperature	10 10 35 0	
Operating Ambient	30 to 85 % RH	No condensation
Humidity	50 to 65 % MII	
Storage Ambient	-20 to 60 °C	— permitted. Except AC adapter
Temperature	-20 to 60 °C	
Storage Ambient	30 to 85 % RH	
Humidity	50 to 65 % MII	
Applicable standards	CE	
Weight	approx. 120 [g]	Only main body
Dimensions	69 x 82.5 x 30 [mm]	Without projections
	2.638" x 3.248" x 1.181"	Without projections
RoHS Compliance	YES	

* There may be cases that these parts and specifications are changed.

* Power saving function (suspend, standby, sleep and others) is not supported.

* Please use the microSD card that comes with the product.

4.2. AC adapter

Item	Description	Remarks
Output	5VDC 2.0A	
Plug	2.1mm inner diameter	Positive Tip
Compatible DC Jack	2.1mm inner diameter	
Operating Ambient	0.45 40.90	
Temperature	0 to 40 °C	
Operating Ambient Humidity	30 to 85 % RH	No condensation permitted
Storage Ambient Temperature	-20 to 80 °C	
Storage Ambient Humidity	10 to 95 % RH	
Wire Length	1.6m	
Weight	approx. 70 [g]	
Dimensions	46 x 34 x 25 [mm]	Without projections
Dimensions	1.811" x 1.339" x 0.984"	without projections

* There may be cases that this part and specifications are changed.



[CE marking]

LNX-003e have applied the common standard for industrial environment EN61000-6-2 and EN61000-6-4.

--- Application of the standards ---

EMS: EN61000-6-2

- \cdot EN61000-4-2(2009) Electrostatic discharge requirements
- \cdot EN61000-4-3(2010) Radiated electromagnetic field requirements
- \cdot EN61000-4-4(2010) Electrical fast transient burst requirements
- · EN61000-4-5(2006) Surge immunity test requirements
- \cdot EN61000-4-6(2009) Conducted radio frequency requirements

EMI: EN61000-6-4

- · EN61000-6-4(2007)+A1(2011) Radiated Emissions
- \cdot EN61000-6-4(2007)+A1(2011) Conducted Emissions

4.3. Optional Accessories

Model Name	Image	Description
PEN-003		Attachment with clamping screw JAN:4937920800709
PEN-003-DIN		Attachment for 35mm DIN rail JAN:4937920800716
PEN-003-MG		Attachment with neodymium magnet JAN:4937920801201
ACC-005		5P Terminal to RJ45 Convert Adapter JAN:4937920800730
TB-USB-5		Detachable 5P Terminal Connector : 1757048 (PHOENIX CONTACT) JAN: 4937920800747



4.4. Power Supply

LNX-003e is an economy model of LNX-003 from which PoE function is removed. LNX-003e requires AC adapter for power supply.

4.5. RS-485/422 (4-wire)

Item	Specification	Remarks
Comm. System	Full-duplex communication	
Baud Rate	300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400 bps	
Number of Connectable Terminals	128	Typical example
Termination Resistor	120 Ω	Configurable by setting switch (SW1) ON/OFF
Transmit Enable Control	Automatically controlled	
Receive Enable Control	Available by setting switch (SW2)	

RS-422 mode can communicate with multiple terminals by using two twist pair cables. Wires of upstream and downstream are separated and simultaneous communication (full-duplex transmission) is available.



4.6. RS-485 (2-wire)

Item	Specification	Remarks
Comm. System	Half-duplex communication	
	300, 600, 1200, 2400, 4800,	
Baud Rate	9600, 19200, 38400, 57600,	
	115200, 230400 bps	
Number of Connectable Terminals	128	Typical example
Termination Resistor	120 Ω	Configurable by setting switch (SW1) ON/OFF
Transmit-Receive Switching	Automatically controlled	
Echo Cancellation	Available by setting switch (SW2)	

RS-485 mode can communicate with multiple terminals by using a twist pair cable.

5. Interface Terminal

Terminal block is detachable. Do not remove it while the power is supplied.

Pin Number	Signal	Signal and Polarity
1	А	RD+
2	В	RD-
3	GND	GND
4	Y	SD+
5	Z	SD-

1234	5

The GND(Ground) pin is recommended to be wired.



6. Setting Switch

SW1 and SW2 can change the operating mode and echo cancelling.

6.1. RS-485/422 (4-wire) Mode

SW2			_		Default
	1	2			Setting
4-wire	OFF	ON			
* Please	refer to S	ection 6.3			
SW1					_
	1	2	3	4	1
No termination	OFF	OFF	OFF	OFF	
SW1		[1
	1	2	3	4	0-1-1-1-1
Transmit Side termination	OFF	OFF	OFF	ON	
SW1					-
	1	2	3	4	a terere.
Receive Side termination	ON	OFF	OFF	OFF	
SW1					
	1	2	3	4	a e e e
Both Sides termination	ON	OFF	OFF	ON	

6.2. RS-485 (2-wire) Mode

• Enable the echo cancelling

SW2

	1	2	₽
2-wire	ON	OFF	
* Please	refer to S	ection 6.3	

SW1

	1	2	3	4	
No termination	OFF	ON	ON	OFF	

SW1

	1	2	3	4	Į.
Termination Enable	ON	ON	ON	OFF	

• Disable the echo cancelling

SW2

	1	2	
RS-485	ON	ON	

6.3. Setting Switch (SW2) Function

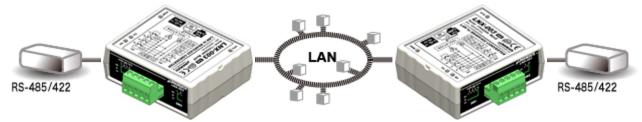
SW2-1	DE (transmit enable) Control
OFF	Always Enable
ON	Enable only Transmission

SW2-2	Echo Control
OFF	Echo Cancelling Enable (no echo)
ON	Echo Cancelling Disable (echo enable)



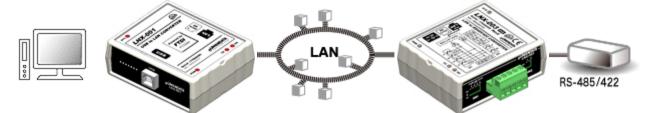
7. Connection examples

[Tunneling mode between two LNX-003e]



Direct communication between two LNX-003e without PCs offers you to connect separated a RS-485/422 networks. By using cross cable, one to one connection is also available.

[Tunneling mode between LNX-001 and LNX-003e]



LNX-001 offers you to control as USB interface via the LAN. By connecting this with LNX-003e in tunneling mode, virtual COM port and D2XX-API by FTDI is available.

Technical knowledge about the network is not needed.

[LNX-003e single operation]



Communication with RS-485/422 devices via Ethernet local area network is available.

* Please use a cross cable to connect LNX-003e without using a hub.

(LNX-003e does not have a function for AutoMDI/MDI-X.)



8. Setting Tool

Setting tool supports data saving and reading using microSD card. This tool does not require installation.

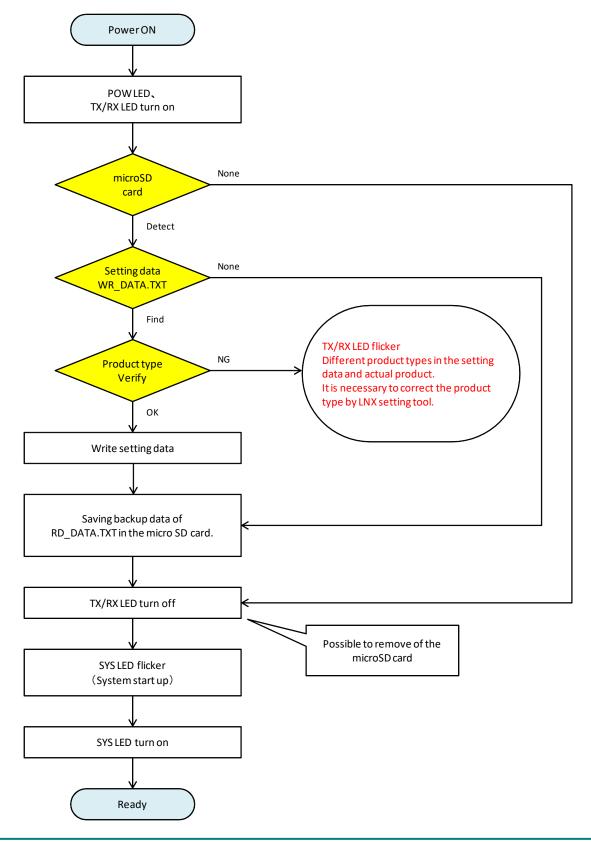
LNX SETTING TOOL Ver1.7		X
microSD card	ıg data	Read/Write from Network
Basic Extension		
Network setting IP address	Serial setting Baudrate	9600 🔻
0 . 0 . 0 . 0 Subnet mask	Flow control	None ~
255.255.255.0 -	Stop bits	_1 ▼
0.0.0.0	Parity	None
Port number Protcol	Oata bits	8 ▼ 22(4 wire) ◎ RS485(2 wire)
Remote setting(Tunneling mode) Carrier Disable Remote IP address Connection method With any character	rt number	
Information in the microSD card		
[HuMANDATA support page] LNX series : www.fa.hdl.co.jp/jp/inx.home.ht	ml	Product select
Support page : www.fa.hdl.co.jp/jp/inx-suport.h	_	Copy to clipboard Exit
roduct select : LNX-003/003e LAN to RS48	35/422 Conve	erter

This is a screenshot from version 1.7



8.1. Access Flow of microSD card

Access to the microSD card is done immediately after power input. When TX/RX LED is turn on, do not detach the microSD card. Please detach it after confirming TX/RX LED is turn off.





8.2. Function

nicroSD card		Read/Write fr	om Network
Reading data	ng data		Network
esic Extension			
Vetwork setting	Serial setting	,	
IP address	Baudrate	9600	•
0.0.0.0	Flow control	None	Ŧ
Subnet mask 255.255.255.0	Stop bits	1	-
Default gateway	000000		
0.0.0.0	Parity	None	-
Port number Protcol	Data bits	8	•
Port number Protcol 10001 TCP Remote setting(Tunneling mode) © Enable © Disable	The later of the second		25485(2 wire)
10001 TCP -	RS485/4		1
10001 TCP - Remote setting(Tunneling mode) Enable Enable Isable Remote IP address Remote Po Image: Image of the ima	RS485/4 rt number	22(4 wire) © F)
10001 TCP Remote setting(Tunneling mode) Enable Enable Isable Remote IP address Remote Po Image: Ima	RS485/4 rt number	22(4 wire) © F	25485(2 wire)

Item	Contents
Reading data	Save setting data (WR_DATA.txt) from microSD card.
Saving data	Read setting data (RD_DATA.txt) to microSD card.
Network	Read or write setting data over the network. LNX product and PC
INCLWORK	must be connected to the same network segment.
Product select	Display product select window.
Copy to clipboard	Copy a display image to clipboard.
Exit	Terminate the application.



[Basic Setting]

asic Extension	
Network setting	Serial setting
IP address	Baudrate 9600 🗸
0 . 0 . 0 . 0 Subnet mask	Flow control None
255.255.255.0 -	Stop bits 1
Default gateway	Parity None -
Port number Protcol	Data bits 8
10001 TCP -	RS485/422(4 wire)
Remote setting(Tunneling mode) © Enable Isable	
Remote IP address Remote	Port number
0.0.0.010001	
Connection method	
With any character 👻	

Item		Contents			
	If DHCP is not u	used to assign IP addresses, enter it manually.			
IP address	The IP address	must be set to an unique value in the network.			
	The default setting is 0.0.0.0 (DHCP is enabled)				
Subnet mask	A subnet mask defines the number of bits taken from the IP				
Subhet mask	address that are	assigned for the host part.			
	The gateway ad	dress or router, allows communication to other			
Defeath metamore	LAN segments.	The gateway address should be the IP address of	of		
Default gateway	the router conne	ected to the same LAN segment as the unit. The	Э		
	gateway address	s must be within the local network.			
	Enter the local p	port number.			
	The default sett	ing is 10001. If you change the value, please ave	oid		
	the following numbers. They are allocated to other function.				
Destauralise	1-1024	Reserved for well-known ports			
Port number	9999	Reserved for telnet setup			
	14000-14009	Reserved for old redirector			
	30704	Reserved for remote control of user I/Os			
	30718	Reserved for configuration			



Item	Contents	
	From the drop-down menu, select TCP or UDP.	
Protocol	Normally TCP is used, but when one-to-multiple communication	
FTOLOCOL	like broadcast or sensitive-responsiveness is needed, please select	
	UDP. The default setting is TCP.	
Remote Setting	Colort to cool la compate compation (toppolice)	
(Tunneling mode)	Select to enable remote connection (tunneling).	
Enable/Disable	The default setting is disable.	
Remote IP address	Enter the remote IP address for tunneling target.	
Remote Port number	Enter the remote port number for tunneling target.	
Connection method	Select connection method to the target.	
	LNX-003e and attached serial device must agree on a speed or	
Baudrate	baud rate to use for the serial connection.Valid baud rates are	
Dauarate	$300,600,1200,2400,4800,9600,19200,38400,57600,115200~{\rm or}$	
	230400. The default setting is 9600.	
Flow control	Not used.	
Stop bits	Select from 1 or 2 bit. The default setting is 1.	
Parity	Select from Even, Odd or None. The default setting is none.	
Data bits	Select from 7 or 8 bit. The default setting is 8.	
RS485/422 (4-wire)	Select communication protocol.Please set to the same protocol as	
RS485 (2-wire)	setting that configured by SW2.	



[Extension Setting]

ack control	I/O Buffer clear setting
Enable Obisable	Input buffer from serial to LNX
Idle gap time 12 [msec] v	With network connect
Trigger character	With network disconnect
🔍 1 byte 🔍 2 byte string 🛛 @ Disable	🔘 Yes 🛛 🔘 No
Any string(HEX) 0x 00 0x 00 Check sum None 1 byte 2 byte	Output buffer from LNX to serial With network connect Yes No
CP keepalive	With network disconnect
5 Setting range : 0~65sec sec (0 : Disable)	Yes O No
elnet Com port control(RFC2217)	
5 sec (0 : Disable)	

Item	Contents				
	Select to enable pack control.				
	Two firmware-selectable packing algorithms define how and when				
	packets are sent to the network. The standard algorithm is optimized				
	for applications in which the unit is used in a local environment,				
Pack control	allowing for very small delays for single characters, while keeping				
Enable/Disable	the packet count low. The alternate packing algorithm minimizes the				
	packet count on the network and is especially useful in applications				
	in a routed Wide Area Network (WAN). Adjusting parameters in this				
	mode can economize the network data stream.				
	The default setting is disable.				
	Select idle gap time from 12, 52, 250 or 5000 msec.				
Idle gap time	After this idle gap time with no response from a serial device, data is				
	packetized and transmitted to the target. The default setting is 12.				
Trigger character	Select packet size and set trigger character (hexadecimal digits).				
Check sum	Select check sum size.				



Item	Contents
	TCP keepalive time defines how many seconds LNX-003e waits
	during an inactive connection before checking its status. If the unit
TCP keepalive	does not receive a response, it drops that connection.Enter a value
	between 0 and 60 seconds. 0 disables keepalive.
	The default setting is 5.
	Set to enable when control COM port using Telnet.
Telnet Com port	The product enable a RFC2217 function to use a control signal used
control(RFC2217)	in a serial port on a network.When it is not used this function, set to
	disable.
I/O buffer clear	Set it whether input/output buffer clear at the time of network
setting	connection or disconnection.



8.3. Write Setting Data

- 1. Open Setting Tool for LNX series (LNX SETTING TOOL Ver*.*).
- 2. Select "LNX-003/LNX-003e LAN to RS485/422 Converter", and click "OK".

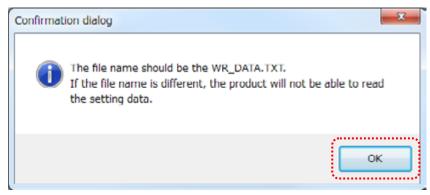
Product select	×
Please select the product, and push the OK button.	
UNX-003/003e LAN to RS485/422 Converter	• eve
言語 ③日本語 ④ English OK	LNX-003 CD LAN to RS485/422 CONVERTER CAN to RS485/422 CONVERTER CONVERCINE CONVERTER CONVER CONVERTER CONVERTER CONVER CONVER CONVER CONVERTER CO
HUMANDATA.	

- 3. Enter the setting such as network or serial.
- 4. Insert a microSD card to PC (A USB adapter is included with the product)
- 5. Click "Save data".

		Read/Write from Network
Reading data	ng data	Wetwork
Basic Extension		
Network setting	Serial setting	
IP address	Baudrate	9600 -
192 . 168 . 0 . 100		(
Subnet mask	Flow control	None v
255.255.255.0	Stop bits	1 *
0 0 0 0	Parity	None
Port number Protcol	Data bits	8 -
10001 TCP -	© R5485/4	22(4 wire) @ R5485(2 wire)
Remote setung(Tunneing mode)		
Remote setting(Tunneling mode) Enable Disable Remote IP address Remote Po 192,168,0,101 10001 Connection method	rt number	
Enable Disable Remote IP address Remote Po 192 .168 .0 .101 10001	rt number	
Enable Disable Remote IP address Remote Po 192 . 168 . 0 . 101 10001 Connection method	rt number	
Enable Disable Remote IP address Remote Po 192 . 168 . 0 . 101 10001 Connection method With any character	rt number	Product select
Enable Disable Remote IP address Remote Po 192 . 168 . 0 . 101 10001 Connection method With any character	<u>n</u>	Product select Copy to clipboard



6. Click "OK" in the confirmation dialog.



- 7. Specify the microSD card as saving destination. Please do not change the file name from "WR_DATA.TXT".
- 8. Remove the microSD card from PC and insert it to the product. Please confirm that the product power is turned off.
- 9. When the product is powered on, the setting data is configured to it automatically. After the data is stored in the product, microSD card is not needed any more. The start-up time can be shortened if the microSD card is removed from the product.

Please be careful not to detach the microSD card before TX/RX LED is light off.



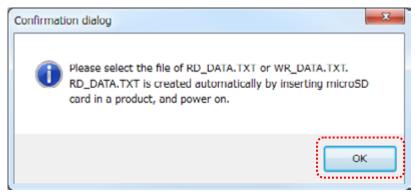
8.4. Read Setting Data

- 1. After confirming the power off, insert the microSD card to the product.
- 2. When the product is powered on, the setting data will be reserved to the microSD card automatically. The data file name is "RD_DATA.TXT".
 Please be careful not to detach the microSD card before TX/RX LED is light off.
 * If there is the same file name in the microSD card, the data will be overwritten.
- 3. Insert a microSD card to PC (A USB adapter is included with the product)
- 4. Start the setting tool and click "Reading data".

Reading data	ng data	Read/Write from Network
Basic Extension		
Network setting	Serial setting	,
IP address	Baudrate	9600 -
0.0.0.0	Flow control	None
Subnet mask 255,255,255,0		
255.255.255.0 Default gateway	Stop bits	1 *
0.0.0.0	Parity	None
Port number Protool	Data bits	8 -
10001 TCP Remote setting(Tunneling mode) © Enable © Disable		i22(4 wire)
10001 TCP Remote setting(Tunneling mode) Enable Enable Remote IP address Remote IP address Connection method		i22(4 wire) © RS485(2 wire)
10001 TCP Remote setting(Tunneling mode) Enable Enable Remote IP address Remote IP address Remote IP address Connection method With any character		i22(4 wire) 🔘 RS485(2 wire)
10001 TCP Remote setting(Tunneling mode) Enable Enable Remote IP address Remote IP address Connection method		i22(4 wire) © RS485(2 wire)
10001 TCP Remote setting(Tunneling mode) Enable Enable Remote IP address Remote IP address Remote IP address Connection method With any character		Product select
10001 TCP Remote setting(Tunneling mode) Enable Disable Remote IP address Remote Por 0 0 0 10001 Connection method 10001 Connection in the microSD card	rt number	



5. Click "OK" in the confirmation dialog.



- 6. Open the "RD_DATA.TXT" in the microSD card.
- 7. Setting data is loaded.

microSD card	ng data	Read/Write from N	
Basic Extension			
Network setting IP address 192 . 168 . 0 . 100	Serial setting Baudrate	9600	-
Subnet mask	Flow control	None	Ŧ
255.255.255.0	Stop bits	1	-
0.0.0.0	Parity	None	-
Port number Protcol	Data bits	8	•
Remote setting(Tunneling mode)	© RS485/4	22(4 wire) 💿 RS485	(2 wire)
Remote setting(Tunneling mode) Enable Disable Remote IP address Remote Por 192_168_0_100_10001 Connection method With any character		22(4 wire) 💿 <u>R5485</u>	(2 wire)
Enable Disable Remote IP address Remote Po 192 168 0 100 10001 Connection method		22(4 wire) 💿 <u>R5485</u>	(2 wire)
Enable Disable Remote IP address Remote Por 192 . 168 . 0 . 100 10001 Connection method With any character		22(4 wire) (1) R5485	(2 wire)
Enable Disable Remote IP address Remote Po 192_168_0_100_10001 Connection method With any character Information in the microSD card AAC address : 0080A3A43288		22(4 wire) () RS485 Product	
Enable Disable Remote IP address Remote Po 192 . 168 . 0 . 100 10001 Connection method With any character Information in the microSD card MAC address : 0080A3A43288 Immware : Ver. 1.0.06.A0	nt number		select



8.5. Write or Read setting data over the network

- 1. Enter the setting such as network or serial and click "Network".
 - * Please confirm that microSD card is not inserted in a product.

HU LNX SETTING TOOL Ver1.7			3
microSD card		Read/Write from Network	
Reading data	ng data	Network	
Basic Extension			
Network setting	Serial setting		nH I
IP address	Baudrate 9		
192 . 168 . 0 . 100 Subnet mask	Flow control	None 👻	

2. Enter an IP address manually or click "Search". When some products are found, please select a number from a list.

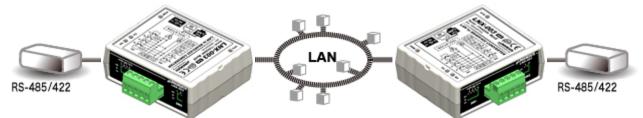
Read/Write from	Network	×		
 Input IP address 		Search		
192 . 168 .	0 101	Update		
Search results				
No	IP address	MAC address		
1	192.168.0.100	0080A3937CBD		
2	192.168.0.101	0080A3937C9F		
Read data Write data				
Done				

- 3. Click "Read data" or "Write data"
 - * Even if some devices will be listed in the list and occur process time out. In this case, please change the PCs' network setting to the same network segment as the product or using microSD card.



8.6. Setting Example

[Tunneling mode between LNX-003e]



LNX-003e Side		LNX-003e Side	
Network Setting			
192.168.0.100	IP Address	192.168.0.101	
255.255.255.0	Subnet Mask	255.255.255.0	
0.0.0.0	Default Gateway	0.0.0.0	
10005	Port Number	10005	
TCP	Protocol	ТСР	
192.168.0.101	Remote IP Address	192.168.0.100	
10005	Remote Port Number	10005	
Serial Communication			
230400	Baudrate	230400	
None	Flow Control	None	
1	Stop Bits	1	
None	Parity	None	
8	Data Bits	8	



[LNX-003e single operation]



LNX-003e Side

Network Setting		
192.168.0.100	IP Address	
255.255.255.0	Subnet Mask	
0.0.0.0	Default Gateway	
10005	Port Number	
TCP	Protocol	
0.0.0.0	Remote IP Address	
0	Remote Port Number	
Serial Communication		
230400	Baudrate	
RTS/CTS (hard ware)	Flow Control	
1	Stop Bits	
None	Parity	
8	Data Bits	



9. Virtual COM Port

You can use the software that maps Virtual COM ports on a PC platform. It redirects application data destined to an attached device via the PC's local serial (COM) port. Rather than going out the local port, the data is transmitted across the Ethernet network using TCP/IP. LNX-003e attached to the network receives the data and transfers it from its own serial port to the attached equipment. Please refer to the "LNX series virtual COM port User's Manual" that are stored on the product supplied CD for details.

10. Additional Documentation and User Support

The following documents and other supports are available at http://www.hdl.co.jp/en/faspc/LNX/lnx-003/

- LNX SETTING TOOL
- Outline drawing ... and more.

11. Attachment Documentations

- Outline drawing of the LNX-003e
- Outline drawing of the AC Adapter

12. Warranty and compensation

Please refer to the following URL for the warranty. http://www.fa.hdl.co.jp/en/fa-warranty.html



RS-485/422 LAN Converter

LNX-003e Rev2

User's Manual

Ver. 1.0Oct. 25, 2016

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