

## TECHNICAL DATA

<b>ethernet module protocol</b>	XPort LANTRONIX TCP, IP, UDP, ARP, ICMP, Ethernet MAC Telnet TFTP, AutoIP, DHCP, HTTP, SNMP
<b>network interface serial port</b>	10/100 Base-T Ethernet Ver.2.0/IEEE802.3 RS 485 - half duplex RS 422 - full duplex
<b>isolation RS422/RS485 receiver control</b>	1 kV TxD, permanent
<b>transmitter control data format</b>	Tx enable (set by SW for XPort) 8N1, 8O1, 8E1, 7O1, 7E1, 7N1 8N2, 8O2, 8E2, 7O2, 7E2, 7N2
<b>data control transfer rate</b>	None, XON/XOFF, CTS/RTS 300b/s – 230kb/s
<b>transferred signals encryption AES Rijndael setting</b>	RxD, TxD option - 128, 192 alebo 256bit Internal web server (384kB), SNMP, Telnet login, serial login
<b>optical indication connector RS422/485</b>	RxD, TxD, PWR, 10Mb, 100Mb, half duplex, full duplex D-SUB 9 pin M
<b>connector Ethernet</b>	RJ45
<b>connector supply</b>	plug 1.3mm
<b>supply consumption</b>	9 - 50V DC max 2W
<b>dimension</b>	95 x 57 x 28 mm



## CONDITIONS OF WARRANTY

ComErgon provides full warranty of 24 month for serial interface module PRO 4.0/485 starting on the day of purchase.

The warranty is except for the cases in which the functioning of the module has been affected by faulty manipulation, natural catastrophes or other external factors.

**Note: Default port: 10 001**

valid range 1025-9998, 10000-13999, 14010-30703 a 30719-65535

PRO serie

**PRO 4.0/485 LTRX**  
isolated converter  
**RS422/RS485 - Ethernet**



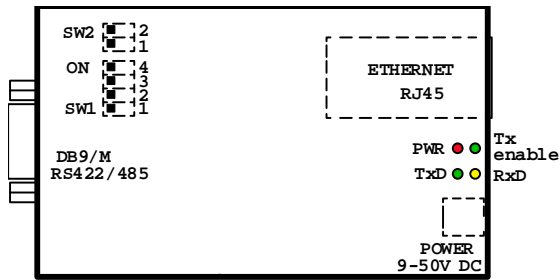
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## LAYOUT



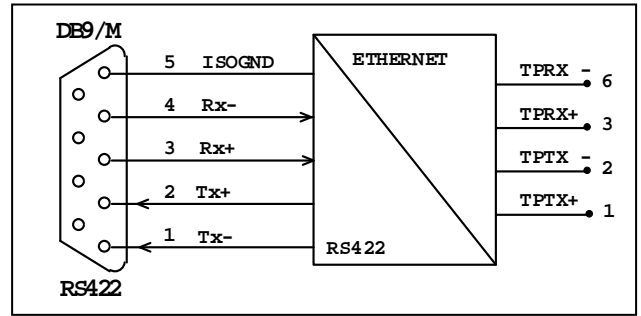
## MODE SELECT – SW2

SW2 – 1 ON, 2 ON **RS 485 (A, B)**  
 SW2 – 1 OFF, 2 OFF **RS 422 (Tx+, Tx-, Rx+, Rx-)**  
 set also transfer mode (RS485, RS422) in SW for XPort (see tutorial on [www.comergon.sk](http://www.comergon.sk))

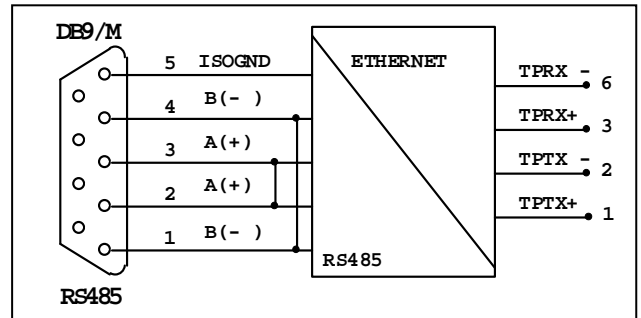
## OPERATING MODE SETTING – SW1

SW1	RECEIVER CONTROL	
1 ON	inverse to TxD	
1 OFF	permanent	
SW1 - TERMINATOR, HOLD LINE		
2	ON	terminator 120 R
3	ON	hold line – pull down
4	ON	hold line – pull up

## CONNECTOR – mode RS422 (SW2 - OFF)



## CONNECTOR – mode RS485 (SW2 – ON)



## STANDARD SETTING

XPort setting  
 transfer mode (SW2)  
 receiver control RS485 (SW1)  
 terminator

mode RS485  
**RS485 – half duplex**  
**inverse to TxD**  
**120 R + pull up, down**