

## Modular data converter

IDP provide variety of communication conversions based on a modular controller. This controller have built in RJ45 connector and up to 4 serial inputs / outputs according to the customer demand.

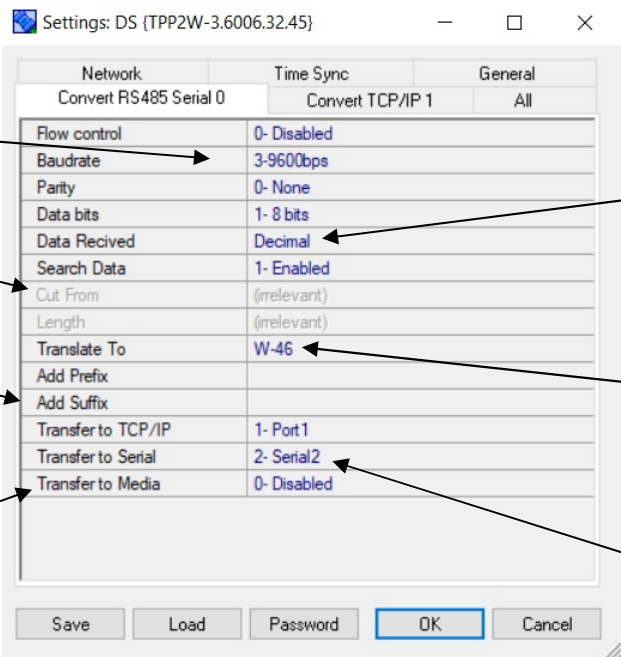
The converter can convert: RS232, RS485, Wiegand in, Wiegand out.



### Hardware Specifications:

- Up to 4 serial ports.
- Build in RJ45 for TCP/UDP communication.
- Optional internal WIFI module.
- Support Wiegand 26, 30, 34, 35, 37, 38, 42, 44, 46, 66 Bit
- Operating Power: 12V DC.
- Operating temperature range: -40 ~ +70C.
- Dimensions: 105x105x39mm for 1 or 2 doors controller.

## Serial input configuration:



The screenshot shows a configuration window for a device. The window is titled "Settings: DS {TPP2W-3.6006.32.45}" and has three tabs: "Network", "Time Sync", and "General". The "Network" tab is active, showing settings for "Convert RS485 Serial 0" and "Convert TCP/IP 1".

Setting	Value
Flow control	0- Disabled
Baudrate	3-9600bps
Parity	0- None
Data bits	1- 8 bits
Data Recived	Decimal
Search Data	1- Enabled
Cut From	(irrelevant)
Length	(irrelevant)
Translate To	W-46
Add Prefix	
Add Suffix	
Transfer to TCP/IP	1- Port1
Transfer to Serial	2- Serial2
Transfer to Media	0- Disabled

Callouts from the left side of the image:

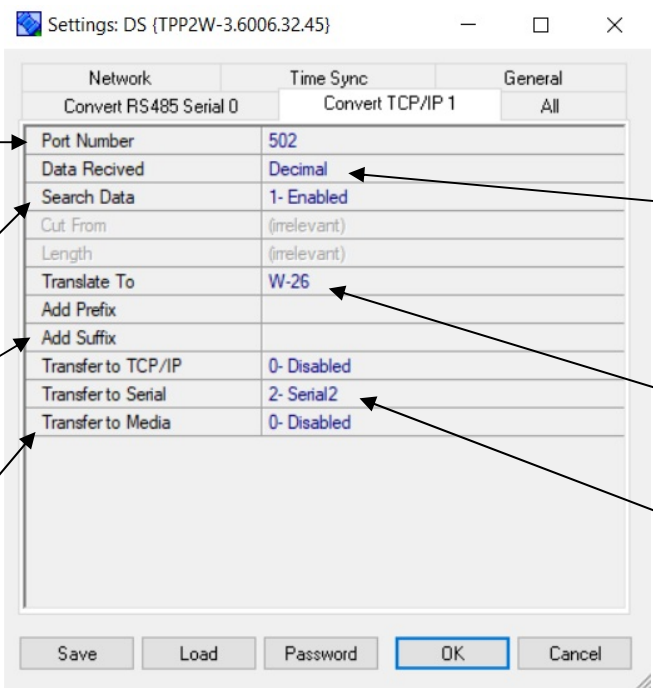
- Serial configuration (points to Baudrate)
- Support data cutting (points to Search Data)
- Support adding Prefix and Suffix (points to Add Prefix and Add Suffix)
- Optional support SMS / MAIL / MQTT (points to Transfer to TCP/IP)

Callouts from the right side of the image:

- Decimal / Hexadecimal / Binary Text / Wiegand (points to Data Recived)
- Translate the data to a different format (points to Translate To)
- Transfer the data to TCP/IP port and to a serial port simultaneously (points to Transfer to TCP/IP and Transfer to Serial)

Buttons at the bottom: Save, Load, Password, OK, Cancel.

**TCP/IP input configuration:**



The screenshot shows a configuration window titled "Settings: DS (TPP2W-3.6006.32.45)" with three tabs: "Network", "Time Sync", and "General". The "Network" tab is active, showing "Convert RS485 Serial 0" and "Convert TCP/IP 1". The "Convert TCP/IP 1" sub-tab is selected, displaying a table of configuration options:

Parameter	Value
Port Number	502
Data Recived	Decimal
Search Data	1- Enabled
Cut From	(irrelevant)
Length	(irrelevant)
Translate To	W-26
Add Prefix	
Add Suffix	
Transfer to TCP/IP	0- Disabled
Transfer to Serial	2- Serial2
Transfer to Media	0- Disabled

Callouts from the left side of the image point to the following fields:

- Port Number
- Support data cutting (points to "Cut From" and "Length")
- Support adding Prefix and Suffix (points to "Add Prefix" and "Add Suffix")
- Optional support SMS / MAIL / MQTT (points to "Transfer to TCP/IP", "Transfer to Serial", and "Transfer to Media")

Callouts from the right side of the image point to the following fields:

- Decimal / Hexadecimal / Binary Text / Wiegand (points to "Data Recived")
- Translate the data to a different format (points to "Translate To")
- Transfer the data to serial port (points to "Transfer to Serial")

Buttons at the bottom of the dialog include "Save", "Load", "Password", "OK", and "Cancel".