

# SSW Industrial Wi-Fi Serial Server with Digital I/O

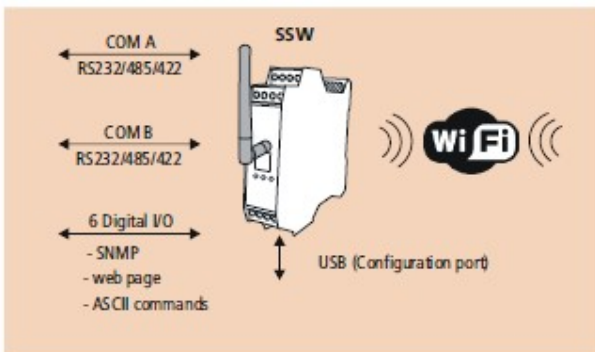


SSW is a device that allows access to information from any device that has a serial port, through a wireless data transmission.

The device has also, digital inputs and outputs that can be monitored or controlled remotely, from a web page, SNMP traps or ASCII commands via TCP/IP

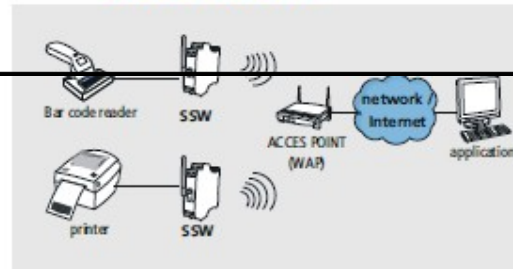
## FEATURES

- Up to Serial ports RS232/485/422
- Encryption security WEP and WPA
- 4 Inputs and 2 digital outputs
- I/O control: web page / SNMP traps/ ASCII commands
- Power supply +10 to +30Vdc
- Riel DIN Industrial Mount
- USB port for configuration

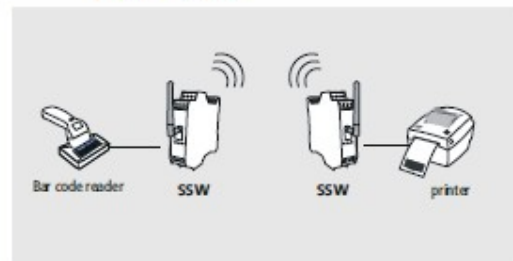


## MODES

### INFRASTRUCTURE MODE



### AD HOC MODE



## ORDER CODE

| MODEL      | SERIAL PORT         |       |       | INPUTS | OUTPUTS |
|------------|---------------------|-------|-------|--------|---------|
|            | RS232               | RS485 | RS422 |        |         |
| SSW-1C0-42 | 1 configurable port |       |       | 4      | 2       |
| SSW-200-42 | 2                   | 0     | 0     | 4      | 2       |

MANAGEMENT SYSTEM ISO 9001:2000



062

## SPECIFICATIONS

## Power

|                       |               |
|-----------------------|---------------|
| <b>Voltage Input:</b> | +10 a +30 VDC |
| <b>Current:</b>       | 250mA max.    |

## WLAN

|                            |                               |
|----------------------------|-------------------------------|
| <b>Standard:</b>           | IEEE 802.11b                  |
| <b>Frecuencie:</b>         | 2.4GHz                        |
| <b>Band Widht:</b>         | 11Mbps max.                   |
| <b>TX Power:</b>           | 16 dBm (40mW)                 |
| <b>RX Sensibility RX:</b>  | -76 dBm                       |
| <b>TX/RX Mode:</b>         | Half Duplex                   |
| <b>Security:</b>           | WEP + WPA                     |
| <b>TX Distance:</b>        | Up to 100 m in open areas     |
| <b>Modes:</b>              | Infrastructure + Ad-Hoc       |
| <b>Antenna Input type:</b> | Reverse Polarity SMA male pin |

## Antenna

|                            |                             |
|----------------------------|-----------------------------|
| <b>Gain:</b>               | +2dB                        |
| <b>Antena Connector:</b>   | Reverse Polarity SMA female |
| <b>Antenna dimensions:</b> | 11 cm lenght, 1 cm diameter |

## USB Port

|                        |  |
|------------------------|--|
| <b>Use:</b>            | Basic Configuration of Wi-Fi network           |
| <b>Connector:</b>      | Type "B" female                                |
| <b>External cable:</b> | Optional, USB type "A" Male, USB type "B" Male |

## Serial Ports

|                      |   |
|----------------------|---|
| <b>Quantity:</b>     | Up to 2 Serial ports RS232/485/422                                    |
| <b>Baud Rate:</b>    | 300 / 115.200 bps   |
| <b>Flow Control:</b> | Nothing / Hardware RTS-CTS  |
| <b>Signals:</b>      | RS232 (Tx, RX, RTS, CTS) RS485 (TR+, TR-)<br>RS422 (TR+, TR-, R+, R-) |
| <b>Connector:</b>    | Industrial pluggable terminal block                                   |

## Inputs and Outputs

|                       |   |
|-----------------------|---|
| <b>Inputs:</b>        | 4, Voltage ON=3.5/28Vdc,<br>Voltage OFF<0.5Vdc                      |
| <b>Outputs:</b>       | 2, Type=Open Collector NPN Sink.,<br>Voltage Max=3/45Vdc, 50mA      |
| <b>I/O Control:</b>   | SNMP traps - ASCII commands<br>Internal Web page                    |
| <b>Protocols:</b>     | TCP, UDP, IP/ICMP, DHCP Client, SNMP<br>(Version 1), WEP, WPA, HTTP |
| <b>Configuration:</b> | InternalWeb page  |
| <b>Statistics:</b>    | InternalWeb page  |

## Weigh and Dimensions

|                     |   |
|---------------------|---|
| <b>Dimensions:</b>  | 120mm x 100mm x 22.5mm without<br>antenna |
| <b>Total Weigh:</b> | 150g                                      |



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