

# COMPARISON OF STX READERS

## Comparison of parameters STX 1000 and STX 2000



STX 1000



STX 2000

### Communication interface

Serial Interface	RS 232 (Rx, Tx, GND), RS 485 2W	RS 232 (Rx, Tx, GND), RS 485 2W
Baudrate	9600, 19200, 57600, 115200 bps	9600, 19200, 57600, 115200 bps
Data Bits	8	8
Stop Bits	1	1
Parity	None	None
Flow control	None	None
Serial line protection	Yes (1 kV)	Yes (1 kV)

### Characteristic

Housing	Aluminium	Aluminium
Housing dimensions without cable connector (HxWxD)	160x100x80 mm	160x100x80 mm
Power requirements	12-24 VDC (power consumption max. 1A)	12-24 VDC (power consumption max. 1A)
Signals LEDs	Power, RFID read	Lack
Display	Lack	OLED, display dimension 33x66 mm
Membrane keyboard	Lack	Key-pad 0-9, OK – to approve, X – to delete
Large, illuminated "OK" sign	Yes	No
Extension card mounted inside the reader enclosure	4 inputs, 4 outputs (with mounted relays)	6 inputs, 4 outputs (with mounted relays)
Relays on extension card (NO+NC+COM)	Max. 24 VAC/DC, 2A, 60W	Max. 24 VAC/DC, 2A, 60W
Type of read out transponders	UNIQUE 125 kHz	UNIQUE 125 kHz
Effective distance to read transponder	A few centimeters	A few centimeters
Amount of cable connectors	2, 4	2, 4
Material of cable connectors	Nickel-plated brass	Nickel-plated brass
Cable connector for cable diameter	To 12mm	To 12mm
IP Rating	IP 65	IP 65
Weight	1 kg	1 kg

### Environmental limits and conformity to standards

Storage temperature	From -30 to +70 C	From -30 to +70 C
Operating temperature	From -20 to +60 C	From -20 to +60 C
Ambient Relative Humidity	< 95% (non-condensing)	< 95% (non-condensing)
Electromagnetic compatibility	CE	CE

# COMPARISON OF STX READERS

## Comparison of parameters STX 1000 and STX 2000



STX 1000



STX 2000

### Possibility of transmission protocol

- |  |  |
|--|--|
| <ul style="list-style-type: none"><li>• Illuminate the „OK“ sign</li></ul>               | <ul style="list-style-type: none"><li>• Displaying any text on the screen (Unicode)</li></ul>  |
| <ul style="list-style-type: none"><li>• Control digital outputs</li></ul>                | <ul style="list-style-type: none"><li>• Displaying bitmaps on the screen</li></ul>   |
| <ul style="list-style-type: none"><li>• Read the state of digital inputs</li></ul>       | <ul style="list-style-type: none"><li>• Read the state of digital inputs</li></ul>   |
| <ul style="list-style-type: none"><li>• Read the number of RFID transponder</li></ul>    | <ul style="list-style-type: none"><li>• Read the number of RFID transponder</li></ul>  |
| <ul style="list-style-type: none"><li>• Read device status</li></ul>                     | <ul style="list-style-type: none"><li>• Control digital outputs</li></ul>  |
| <ul style="list-style-type: none"><li>• Setting up device number</li></ul>               | <ul style="list-style-type: none"><li>• Read device status</li></ul>   |
| <ul style="list-style-type: none"><li>• Setting up brightness of the „OK“ sign</li></ul> | <ul style="list-style-type: none"><li>• Setting up device number</li></ul>   |
| <ul style="list-style-type: none"><li>• Setting up level of sound</li></ul>              | <ul style="list-style-type: none"><li>• Setting up level of sound</li></ul>  |
|  | <ul style="list-style-type: none"><li>• Control additional serial interface e.g. to operate an external display, printer or weighing indicator</li></ul> |

### Front view

