

## FEATURES

- Low cost - save on expensive cabling
- Wireless RS232 connection
- Range up to 500 metres
- Baud rate up to 116 K
- Small, lightweight
- Plug and play
- Plugs into standard serial port
- Low power consumption

## DESCRIPTION

RS-232 interface type HPS-100 is a cable replacement solution for RS-232 port and has more competitive features such as low cost, small form factor, high speed, full duplex, multi-point service than existing wireless data modem products.

This product can replace the serial communication cables of RS-232 standard, which are widely used for low speed communication between controller and peripheral equipments. Especially useful, where the alternative technology would involve the use of underground cables. Moreover using the multi-point communication functionality and the service range extension by external directional antenna, you can extend the service application to RS-422 or RS-485 type.



## APPLICATIONS

- POS System (POS Terminal, Printer, Credit Card Settlement machine)
- Interior of building / exterior of building e.g. Electric Bulletin Board
- Monitor / Security System (Security Camera, Server for System)
- Connection of remote PLC to host PC
- Connection of remote data logger to host PC
- Connection of data acquisition module to host PC
- Any other devices connected Serial Data Port
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## SPECIFICATIONS

- Bluetooth Specification v1.1 Compliant
- D-SUB 9pin Male Connector
- Point-to-point and Point-to-multipoint connection (Maximum serial emulation capability: 60)
- Transmission Coverage : 100m standard but can be extended up to 500m using an external antenna
- Transmission Speed : 1.2 Kbps ~ 921.6 Kbps
- Software installation is not necessary

### WARWICK WIRELESS LIMITED

THE MANOR, ASTON FLAMVILLE, LEICESTERSHIRE, LE10 3AQ ENGLAND

TEL: +44 (0) 1455 233616 FAX: +44 (0) 1455 233179 WEB: [www.radiotelemetry.co.uk](http://www.radiotelemetry.co.uk)

## TECHNICAL CHARACTERISTICS

<b>Serial port</b>	Single asynchronous serial port, up to 115.2 Kbps 7 or 8 bits per character, 1 stop bit; even, odd, mark, space or no parity Hardware hand-shake (RTS/CTS) and/or software hand-shake (XON/XOFF)
<b>RS signals available</b>	RS232 mode (1) : TxD, RxD, RTS, DTR, CTS, DCD, DSR, RI RS422/485 mode : -Tx, +Tx, -Rx, +Rx (2)
<b>Connectors</b>	SUB D9 male connector for RS232 interface, SUB D9 female for RS422/485 interface  Antenna SMA Female
<b>Bluetooth</b>	Compliant to Bluetooth Specification version 1.1
<b>Frequency</b>	2.400 – 2.4835 GHz
<b>Hopping</b>	1,600/Sec, 1Mhz Channel Space
<b>Sensitivity</b>	Transmitter +16 Dbm, receiver –84 Dbm (typical)
<b>Modulation</b>	GFSK, 1 Mbps, 0.5BT (Class 1)
<b>Antenna Gain</b>	Typical 2dBi
<b>Signalling</b>	Two status indication LEDs:  OPR (Red): Indicates power on status  LNK: (Green): Indicates that a wireless link is established. Flashes when in configuration mode.
<b>Configuration</b>	Press reset button twice to enter configuration mode, then use PC Hyperterminal utility to set configuration
<b>Size</b>	35mm (W) x 65mm (D) x 16mm (H)
<b>Power supply</b>	+5VDC to +12VDC
<b>Consumption</b>	Max. 110 mA
<b>Environment</b>	Operating temperature : -20 to +75°C

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## CONNECTIONS

### 9 Way D Type Connector RS232

Pin Number	Signal	Direction	Description
1	DCD	Output	Data Carrier Detect
2	TxD	Output	Transmitted Data
3	RxD	Input	Received Data
4	DSR	N/A (Input)	Options: Data Set Ready
5	GND	N/A	Signal Ground
6	DTR	Output	Data Terminal Ready
7	CTS	Input	Clear to Send
8	RTS	Output	Request to Send
9	Vcc	Input	Power Supply

## MECHANICAL DETAILS

Dimensions: 35mm (W) x 65mm (D) x 16mm (H)

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