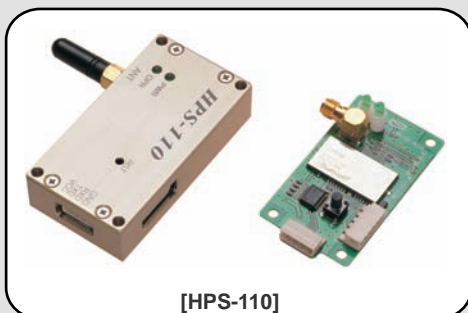


HandyPort

Wireless Serial Adapter

HPS-110



[HPS-110]

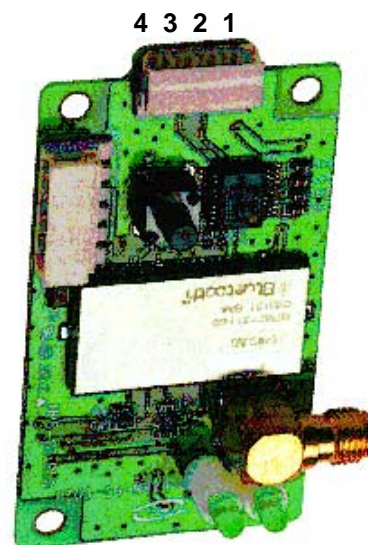
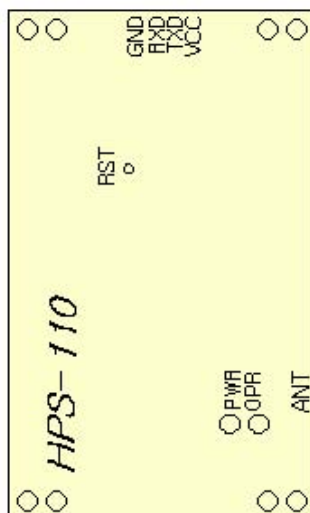
■ Key Features

- No necessary of external host & Software
- Easy Installation, Use & Maintenance
- Supports the local device configuration
- Supports the remote device configuration via Over-the-Air
- Supports the Repeater Functionality
- Supports up to 100M (Line of Sight)
- Supports RS-232 and 3.3V TTL (Optional)
- Supports Point-to-Point/Multipoint

■ Key Specifications

- Frequency : 2.4GHz ISM Band
- Tx Power : up to 100mW (20dBm)
- Rx Sensitivity : better than - 80dBm
- Antenna : SMA Female
 - Dipole 2dBi (100M) / 4dBi (200M)
 - Directional Patch 8dBi (up to 1Km)
- Serial Interface
 - RS-232 (Optional: 3.3V TTL)
 - 2.5mm Wire to Board Connector Angle Type
 - Baud Rate: 1.2 - 115.2Kbps
- Operating Environment
 - temperature : -20C to 70C
 - humidity : 85%
- Power Supply
 - Voltage Range : DC +5 - +12V
 - Current Consumption : up to 200mA @5V
- LED Indicator
 - Power and Link Status

■ Marking



- RST : the configuration button
- PWR : the power status LED
- OPR : the link status LED
- ANT : the antenna interface (SMA Female)

■ PIN-OUT

Pin No.	Signal	Direction	Description
1	Vcc	Input	Power Supply
2	TxD	Output	Transmitted Data
3	RxD	Input	Received Data
4	GND	Common	Signal Ground



■ Electrical Characteristics

Absolute Maximum Ratings		
Rating	Min	Max
Storage Temperature	-40C	+150C
Operating Temp. Range	-40C	+85C
Supply Voltage: Power	+3.3V	+16V
Recommended Operating Conditions		
Operating Condition	Min	Max
Operating Temp. Range	-20C	+70C
Supply Voltage: Power	+3.3V	+16V

■ Dimension : without antenna

- **PBA : 52.3mm (W) x 33.03mm (D) x 13.8mm (H)**
- **Enclosure (optional) : 69.0mm (W) x 36.5mm (D) x 15.5mm (H)**

■ Ordering Information

Package			Order Number
Item	Size	Shipment	
HPS-110	210x127x24 (mm)	Box	HPS-110
HPS-110 Bulk	N/A	Box	HPS-110B
HPS-110 w/ Enclosure	210x127x24 (mm)	Box	HPS-110C
HPS-110 Bulk w/ Enclosure	N/A	Box	HPS-110CB

MOQ : 1 Box (contains 2 HPS-110, 2 antenna)

■ Related Products

■ HandyPort Series



■ Accessory

- **Antenna**
 - Dipole : **HPA-100** (2dBi) / **HPA-110** (4dBi)
 - Patch : **HPA-120** (8.5dBi, Directional)
- **RF Cable** : **HPC-110** (1M) / **HPC-130** (3M)
- **Power Cable** : **HPP-100** (for HPS-120)
- **SMA Adapter** : **HPC-500** (for extension the cable with Dipole Antenna)

Please visit HandyWave's website at <http://www.handywave.com> for more information

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