Parani-MSP100

Features

- Connects Bluetooth devices to 10/100 base-T Ethernet.
- Supports multi point connectivity
- Supports 6-point connectivity
- Supports data rate of Max. 723 Kbps with greater than 150m range.
- Supports Bluetooth profiles for Serial Port, LAN Access, PAN and
  Dial up Networking.
- Easy-to-use COM-Port redirector support
- Ideal wireless solution for the replacement of the wired multi-port
  serial card.
- Supports HTTP/FTP/Telnet/IP sharing/DHCP/PPP/RADIUS
  Authentication/SNMP.
- Easy to use Windows configuration tool available.
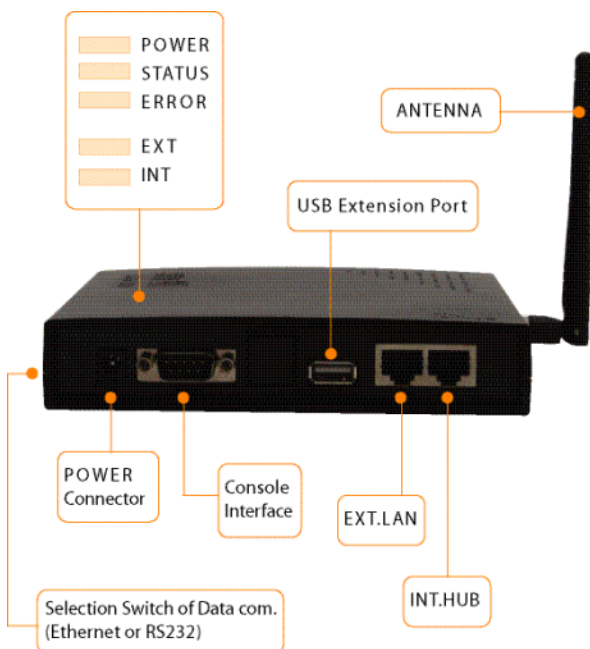- Supports firmware upgrade via hyper terminal program or TFTP.

Panel Layout

The Parani-MSP100 enables multiple Bluetooth devices to connect to the Ethernet network simultaneously and withouit delay when they are within range. The Parani-MSP100 provides Class 1 Bluetooth wireless connectivity to Ethernet/Fast Ethernet. It supports all Bluetooth devices compatible with the Bluetooth Profiles for the Serial Port, Dial-up Networking, LAN Access and PAN. Along with the Serial Port Profile support, the Parani-MSP100 is the ideal solution for the replacement of the wired serial port application.

The Parani-MSP100 Series supports versatile host modes for various user applications, i.e. TCP Server and Client modes for TCP/IP-Bluetooth replay applications Vertex mode for multicasting, Repeater mode, Serial Hub mode and RS232 mode. The Parani-MSP100 runs on embedded Linux operating system, with Flash memory for easy software upgrades, and built-in Web server and Web interface for quick installation, and remote configuration and management. The Parani-MSP100 uses the RADIUS protocol for user authentication.

Typical application areas of the Parani-MSP100 include:
- Truck/Bus monitoring system
- Car Diagnostics
- Wireless POS system
- Wireless Factory monitoring PLC programming
- Wireless machine (healthcare/industrial) monitoring
- Wireless Printing
- Wireless logistics

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Specifications

Ethernet Interface:
- 10/100 Base-T Ethernet with RJ45 connector
- Supports Static IP and Dynamic IP address

Bluetooth Interface:
- Bluetooth v2.0
- Class I
- Level - 18 dBm
- Profiles - Serial Port, LAN Access, PAN, Dial up Networking
- Working distance

Parani-MSP100		Parani-SD100 Parani-ESD110	
Dipole Antenna	-	Stub(Default) Antenna	up to 150m
Dipole Antenna	-	Dipole Antenna	up to 200m
Dipole Antenna	-	Patch Antenna	up to 400m
Patch Antenna	-	Patch Antenna	up to 1000m

  Note : USB Extension dongle - Nominal 30 meters.

Point to multi point connectivity
- 6

Network Protocols
- HTTP, FTP, Telnet, DHCP client
- SNMP v1/v2/v3
- PPP server and PPP tunneling
- RADIUS

Management
- Windows Utility
- Web, Telnet, Serial Console
- Modem AT command set

Diagnostic LED:
- POWER, STATUS, ERROR, EXT, INT

Power:
- 5VDC
- 2A@ 5V

Environmental:
- Operating temperature:
  0 c to 50 c
- Storage temperature:
  -20 c to 66 c
- Humidity: 90% Non-condensing

Physical properties:
- Dimension (L x W x H)
  147 x 112 x 32 (mm) , 5.8 x 4.4 x 1.3 (in.)
- Weight: 225g

Certification:
- FCC, CE, MIC

Warranty:
- 3-year limited warranty

Ordering Information

MSP100   Industrial Bluetooth Access Point with virtual serial port support

Includes :

- *DC Power Adapter*
- *DAT : Parani-DAT Dipole Antenna-SMA Male-Left Handed*
- *Serial data cable*
- *Ethernet cross cable*
- *CD-ROM*

Optional Accessories :
- *PAT : Parani-PAT Patch Antenna-SMA R/A Female-Right Handed*
- *RFC : Parani-RFC 1m Antenna Extension Cable for Patch antenna*
- *USB extension dongle*

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