Bluetooth/IP Gateway for multi-port wireless connections,
Promi-MSP102A/102B

Features

* Connects Bluetooth devices to 10/100 base-T Ethernet.
* Supports multi point connectivity
  ・ Promi-MSP102A : Up to 7 Bluetooth connections
  ・ Promi-MSP102B : Up to 14 Bluetooth connections
* 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.

Panel Layout

POWER
STATUS
ERROR

EXT
INT

ANTENNA

USB Extension Port
(For Promi-MSP102B only)

POWER Connector

Console Interface

EXT.LAN

INT.HUB

Selection Switch of Data com.
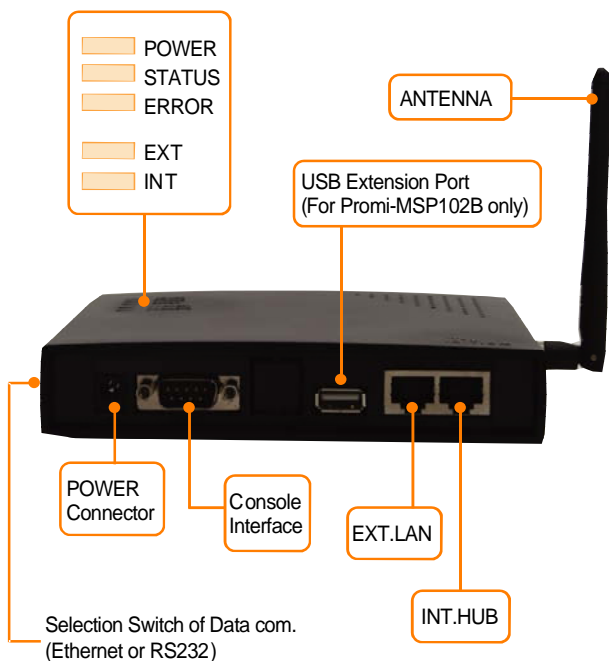(Ethernet or RS232)

The Promi-MSP Series enables multiple Bluetooth devices to connect to the Ethernet network simultaneously and without delay when they are within range. The Promi-MSP Series 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 Promi-MSP Series is the ideal solution for the replacement of the wired serial port application.

The Promi-MSP 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 Promi-MSP Series 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 Promi-MSP Series uses the RADIUS protocol for user authentication.

Typical application areas of the Promi-MSP Series include:

* Truck/Bus monitoring system
* Car Diagnostics
* Wireless POS system
* Wireless Factory monitoring PLC programming
* Wireless machine (healthcare/industrial) monitoring
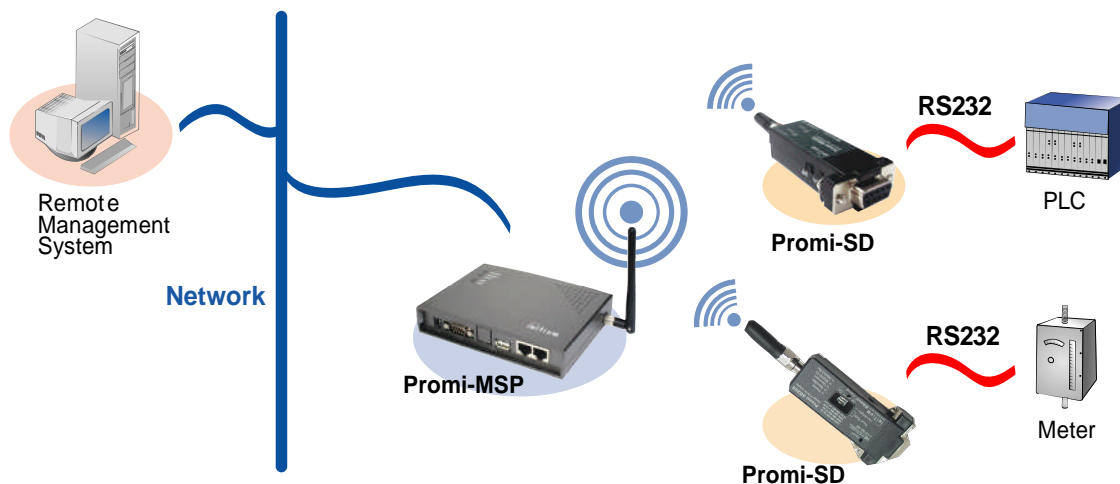* Wireless Printing
* Wireless logistics

SENA
www.sena.com

Promi-MSP102A/102B

Application Diagram

Specifications

Ethernet Interface
* 10/100 Base Ethernet with RJ45 connector
* Supports Static IP and Dynamic IP address

Bluetooth Interface:
* Bluetooth v1.1
* Class I
* Level - 18dBm
* Profiles
  - Serial Port, LAN Access, PAN, Dial up Networking
* Working distance:

Promi-MSP	Promi-SD202/205	
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

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℃ to 50℃
* Storage temperature:
  -20℃ to 66℃
* 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.)
  225g

Approvals
* FCC, CE

Warranty
* 1-year limited warranty

Ordering Information

MSP102A   Promi-MSP102A Bluetooth/IP Gateway with 7-port support
MSP102B   Promi-MSP102B Bluetooth/IP Gateway with 14-port support

Includes:
* DC Power Adapter
* DAT : Promi-DAT Dipole Antenna-SMA Male-LeftHanded
* Serial data cabl, Ethernet cross cable
* CD-ROM
* USB extension dongle : For Promi-MSP102B only

Optional Accessories:
* PAT : Promi-PAT Patch Antenna-SMA R/A Female-Right Handed
* RFC : Promi-RFC 1m Antenna Extension Cable for all antennas

For more information, please visit us at
http://www.sena.com

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