

# SENA Parani-MSP1000x – Series

## Features

- Connects Bluetooth devices to 10/100 base-T Ethernet
- Supports Bluetooth 2.0+EDR, up to 3Mbps throughput
- 7/14/28 Bluetooth Connections support
- Supports Bluetooth profiles for Serial Port, LAN Access, PAN, File Transfer and Dial up Networking.
- Dual Ethernet support for fail-over operation
- Ideal wireless solution for the replacement of the wired multi-port serial card.
- Easy-to-use COM-Port redirector support, RFC 2217, Telnet COM Port Control Protocol
- Flexible TCP/UDP host mode support: Multiple host connection/data transfer
- Supports system logging & port logging
- Supports Python Script Engine for user customization
- Supports firmware upgrade via web, hyper terminal program or etc.



## Specifications

### Ethernet Interface

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

### Bluetooth Interface

- Bluetooth v2.0 + EDR
  - Class 1
  - Profiles: Serial Port, LAN Access, PAN, Dial up Networking, File Transfer
  - Data rate: up to 3Mbps
  - Working distance
- |                |              |               |
|----------------|--------------|---------------|
| Parani-MSP1000 | Parani-SD100 | Parani-ESD110 |
|----------------|--------------|---------------|

DAT-G01R Antenna	T-G01R Antenna	up
DAT-G01R Antenna	T-G01R Antenna	up
DAT-G01R Antenna	T5-G01R Antenna	up
DAT-G01R Antenna	AT-G01R Antenna	up
DAT5-G01R Antenna	T5-G01R Antenna	up
DAT5-G01R Antenna	AT-G01R Antenna	up
PAT-G01R Antenna	AT-G01R Antenna	up t

**Max. Tx power:** +17dBm(Using DAT-G01R Antenna)

**Receive Sensitivity:** -88dBm

### Point to multi point connectivity

- Up to 28 connections

### Network Protocols

- IPv4, ICMP, ARP, TCP, HTTP, telnet, TFTP
- SSH, HTTPS, SSL/TLS, DNS
- SCP/SFTP/FTP, syslog, NTP
- SMTP, Dynamic DNS

**Security:** IP Filtering, SSH v2, SSL/TLS, HTTPS, SCP, SFTP

**CF Port:** Flash memory

**Logging:** Syslog server, CF memory

## Ordering

- MSP1000A** Parani-MSP1000A Industrial Bluetooth Access Point with 7 connections support
- MSP1000B** Parani-MSP1000B Industrial Bluetooth Access Point with 14 connections support
- MSP1000C** Parani-MSP1000C Industrial Bluetooth Access Point with 28 connections support

### Includes

- DC Power Adapter
- DAT-G01R: 3 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- Serial data cable
- Ethernet straight cable
- Wall mount bracket
- Quick Start Guide

### Optional Accessories

- DAT5-G01R: 5 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- PAT-G01R: 9dBi Patch Antenna with RP-SMA Plug Right hand Thread Default Cable. (SMA Jack Right hand Thread w/o Default Cable)
- SEC-G01R: 15cm Extension Cable(For SAT-G01R / DAT-G01R / DAT5-G01R)
- RFC-G01R: 1m Extension Cable(For PAT-G01R)

**Real Time Clock:** Built-in support

### Customization

- Python Script engine, ELDK v4.0, 2MB internal user space

### Management

- Windows Utility
- Web, Telnet, Serial Console

### Firmware Upgrade

- Telnet/SSH, Web, Bootp, CF memory, Zmodem, TFTP

### Diagnostic LED

- POWER, STATUS, Ethernet0, Ethernet1
- Signal Strength, No of Connections

### Power

- 5VDC
- Nominal Current Consumption: 1.2A@ 5VDC approximately

### Environmental

- Operating temperature: 0°C to 50°C
- Storage temperature: -30°C to 85°C
- Humidity: 90% Non-condensing

### Physical properties

- Dimension(L x W x H):  
203 x 170 x 44(mm)  
7.99 x 6.69 x 1.73( in.)
- Weight:  
MSP1000A: 1414g  
MSP1000B: 1432g  
MSP1000C: 1468g

**MTBF:** 30.52 Years

**Certification:** FCC, CE, TELEC

**Warranty:** 3-year limited warranty