



LOGIC BEACH Inc.

# RF Ethernet Communications

## MSS-101-RF WIRELESS ETHERNET-SERIAL ADAPTER

### FEATURES

- Wireless connectivity to any Logic Beach data logger
- Range to 1100' – Speeds to 115kbps
- Each wireless adapter can accommodate 2 data loggers
- No limit on the number of adapters within a Local Area Network (LAN)
- Ideal for locations without a LAN drop or when more logger mobility is required
- Complete with power supply and software

### OVERVIEW

Intended for increased flexibility and mobility the MSS-101-RF Wireless Ethernet Adapter from Logic Beach provides complete freedom from the standard serial cables or Ethernet LAN wires. Data logger operation is no longer constrained by wires connected to the Ethernet or PC. The adapter works with all data logger models available from Logic Beach.

Typical communication between a logger and the PC is with a serial cable. While this works fine for a majority of applications, it can be restricting. Utilizing a commonly available 802.11b LAN Access Point, in conjunction with the MSS-101-RF the data-logger user can access the data logger no matter what the logger's location and without a wired connection. The data logger can be located up to 1100 feet from an Access Point and be made instantly available to any user running HyperWare software from their LAN connected PC.

### OPERATION

An Access Point is a wireless method for connecting devices to an Ethernet. An Access Point can be located anywhere on the LAN system and numerous Access Points can be installed in a plant or facility for seamless data logging communication throughout



MSS-101-RF, highlighted, shown with Logic Beach HyperLogger, PC and Access Point.

the facility. Once the Access Point and the MSS-101-RF are both programmed with their own unique identifiers, IP addresses, the IP address is then used by HyperWare to locate and communicate with the desired data logger. HyperWare is the icon-based program used with Logic Beach data loggers for communications, programming, real-time trending and post-processing of data.

### SPECIFICATIONS

**Host Communication:** Wireless LAN, IEEE 802.11b, SMA Swivel Antenna, TCP, UDP, SNMP, HTTP, and TELNET network protocols. Up to 11Mbps transmission rate depending upon conditions.

**Field Communication:** 2 serial ports, baud rate: 1200 – 115200bps, DB-9 connector

**Mechanical:** size: 126mm x 90mm x 45mm, DIN rail mountable

**Weight:** < 1 lbs. Without power supply

**Environmental:** power: +12VDC @ 600mA, operation temperature: 0°C – 50°C, RH: 20% - 90%.

### ORDERING INFORMATION

The MSS-101-RF is shipped complete with software, power supply, two antennas and AC wall adapter. Cables required are standard Logic Beach data logger cables. Wireless Access Points are readily available from computer and computer supply stores.

### LOGIC BEACH INCORPORATED

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