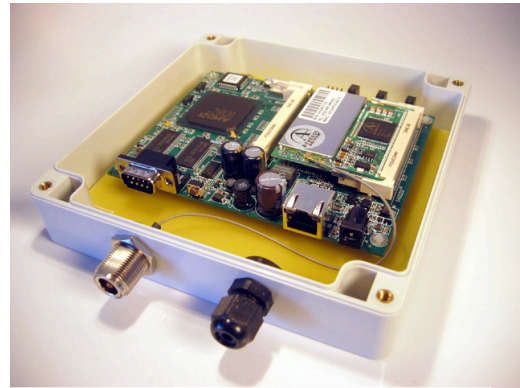




Thank you for choosing a Metrix Mark I wireless networking kit! We appreciate your business.

Enclosed you will find the following:

- \* One Soekris net4526
- \* One Atheros 802.11g Mini PCI radio card
- \* One NEMA 4X waterproof enclosure with pre-mounted panel and connectors
- \* Mounting hardware & desiccant pack



**Figure 1:** The Assembled Metrix Mark I

## Assembly

**This kit contains parts that are sensitive to electrostatic discharge. Assemble only at an ESD safe workstation!**

Assembling the kit is very simple. Install the Soekris board with the connectors facing the bottom of the NEMA 4X enclosure (see Figure 1). It should mate with the nylon standoffs with a satisfying "click".

Install the mini PCI radio card in either slot. Connect the MHF connector on the pigtail to port G1 on the radio card. Be very, very careful with the MHF connector; it is quite fragile.

NOTE: The PG-7 cable gland does not provide enough room to pass an RJ45 connector through the body. You must crimp a connector on your Ethernet cable after running it *through* the cable gland.

Before installing in a harsh environment, check that all fittings and connectors are tightened. Remove the desiccant pack from the plastic bag and install it in the case under the panel just prior to sealing the box. Use the provided screws to tightly seal the enclosure.

## Important technical information about your kit

The Soekris board ships with Pebble Linux pre-installed. To configure your board, connect a 12V power source (either via the power connector or using PoE) and login over ssh. By default, the box will act as a simple access point, creating an 802.11b/g wireless network named **Metrix MADwifi 1**. This can be changed to any value you like by editing `/etc/network/interfaces`.

The root password is: **root**

Log in over the serial port or ssh to: **192.168.91.1**

Note that the board expects a DHCP server to be present on the Ethernet port (the wire). If you boot the box without a DHCP server present, it will take approximately 45 seconds longer to boot.

For more information, see the Pebble home page at <http://nycwireless.net/pebble/>

**Thank You** for your purchase. We appreciate your feedback on how to improve our products!

--The Metrix Team

<http://metrix.net/>

**NOTE: You are responsible for complying with all relevant FCC rules & regulations or any regulations of your respective governing body when operating this equipment.**

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