

# MobileLAN™ access WA22



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P/N 074745-002

MobileLAN access WA22 Quick Start Guide

## Quick Start Guide



## Safety First



Caution

Government regulatory agencies require that this access point only use approved antennas. Therefore, this access point uses a custom antenna connector. Do not use antennas that are not approved for use with this access point.

Attention: Les organismes de réglementation gouvernementaux exigent que ce point d'accès. Par conséquent, le point d'accès est doté d'un connecteur d'antenne personnalisé. N'utilisez pas des antennes qui ne sont pas approuvées.



Caution

The WA22 is intended to be powered only from an Ethernet host that complies with the IEEE 802.3af specification for power over Ethernet (POE).

Attention: Le WA22 est conçu pour être alimenté à partir d'un hôte Ethernet qui est conforme à la spécification IEEE 802.3af pour l'alimentation par Ethernet (POE, de l'anglais Power Over Ethernet).

## Specifications

Physical dimensions	4.6 cm x 16.0 cm x 25.0 cm (1.81 in x 6.27 in x 9.84 in)
Power over Ethernet electrical rating	== 48V, 315 mA
Operating temperature	-20°C to 55°C (-4°F to 131°F)
Storage temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	10 to 90%, non-condensing

## About the WA22

Intermec's MobileLAN™ access family of access points delivers reliable and seamless wireless performance in almost any operational environment. The MobileLAN access WA22 is powered by power over Ethernet to make installation easier. It is designed for standards-based connectivity and it may have up to two of the following radios installed:

- IEEE 802.11a
- IEEE 802.11g



The WA22 with an IEEE 802.11a radio installed is Wi-Fi® certified for interoperability with other 802.11a wireless LAN devices.

The WA22 with an IEEE 802.11g radio installed is Wi-Fi® certified for interoperability with other 802.11g and 802.11b wireless LAN devices.

This quick start guide supports the WA22B and helps you to understand its ports and LEDs. You can also use this quick start guide to get an overview of how to install the WA22, how to connect the WA22 to power and to your network, and how to use the MobileLAN access Utility to configure its IP address. Once you assign the WA22 an IP address, you can continue configuring it using a web browser interface or a telnet session.

For complete instructions on how to install, operate, configure, maintain, and troubleshoot your WA22, see the *MobileLAN access WA2X System Manual* (P/N 073915). Please visit the Intermec web site at [www.intermec.com](http://www.intermec.com) to download this manual and other current manuals in PDF. Or, you can order printed documentation from your local Intermec representative.

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org>). This product includes cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

## Software Updates

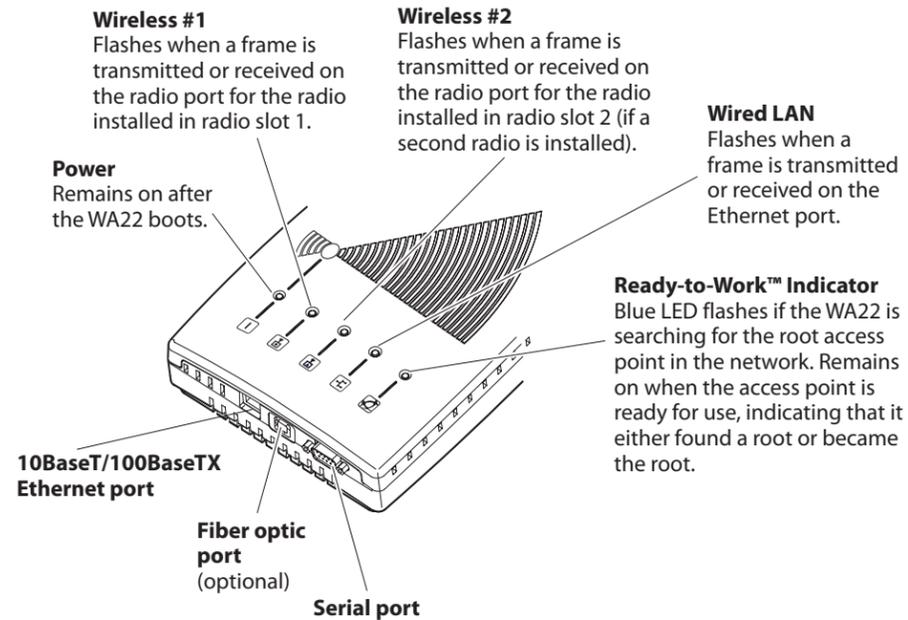
- 1 At [www.intermec.com](http://www.intermec.com), click **Service & Support**. The Intermec Global Sales & Service window appears.
  - 2 From the **Task Menu**, click **Downloads**.
  - 3 From the **Select A Product** field, choose **Network: MobileLAN™ access WA22**. A screen appears with a table of available software for the WA22.
  - 4 Click the software you want to download. Follow the prompts to download the files to your PC. For help upgrading your access point software, follow the instructions in the *MobileLAN access WA2X System Manual*.
  - 5 To check for the latest documentation, from the **Task Menu**, click **Manuals**.
  - 6 From the **Select A Product** field, choose **Network: MobileLAN™ access WA22**. A screen appears with a list of available manuals for the WA22.
  - 7 Click the manual you would like to view (in PDF). Or, to order printed versions of Intermec manuals, contact your local Intermec representative.
- You should check the Intermec web site for the most up-to-date software downloads and documentation.

## Out of the Box



**Note:** The WA22 does not ship with an antenna (except one 802.11a radio configuration that ships with non-removable antennas). For a list of antennas and antenna accessories, see the *MobileLAN access WA2X System Manual* or contact your local Intermec representative.

## 1 Defining the LEDs and Ports



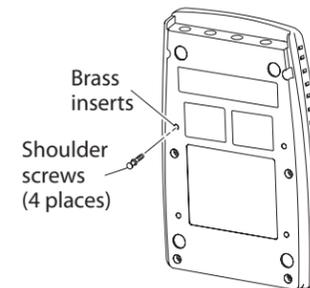
## 2 Mounting the WA22

You can place the WA22 on a stable surface or you can mount it to a wall or beam using the wall bracket.

**Note:** Intermec offers a variety of mounting bracket kits. For a complete list, see the *MobileLAN access WA2X System Manual*.

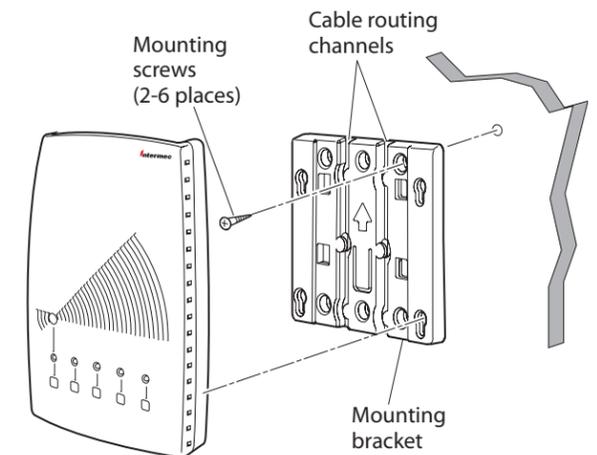
### To use the mounting bracket

- 1 Insert one shoulder screw into each of the brass inserts and tighten securely.
- 2 Using the mounting bracket as a template, mark the location of the mounting holes on the mounting surface.
- 3 Drill the holes.
- 4 Position the bracket on the wall with the arrow pointing up and use mounting screws that you provide to secure the bracket to the wall.



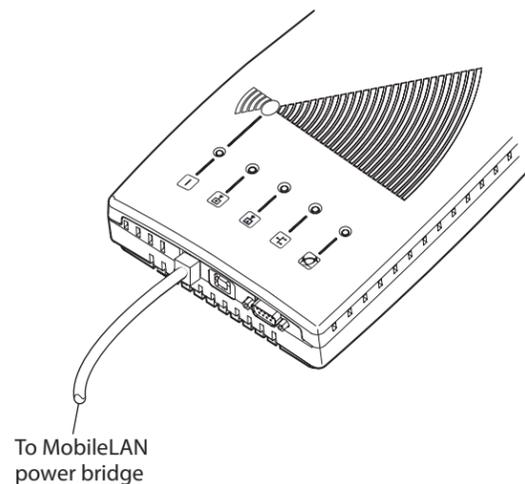
### Mounting the WA22 (continued)

- 5 Route the Ethernet cable through the cable routing channels.
- 6 Mount the WA22 in the bracket by inserting the shoulder screws into the keyhole slots in the bracket. Slide the WA22 down until it is firmly seated in the bracket.



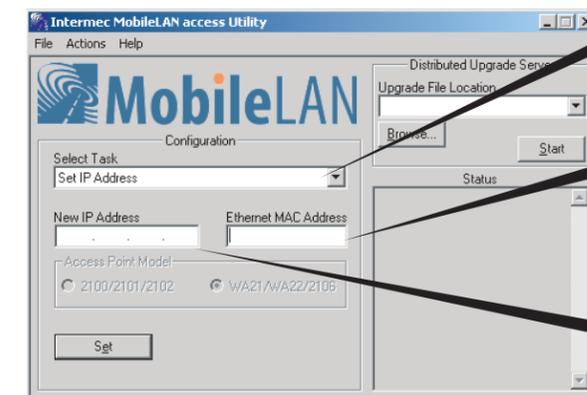
## 3 Connecting the WA22

- 1 Attach antennas to the WA22. Intermec offers a variety of antennas and antenna accessories. For a complete list, see the *MobileLAN access WA2X System Manual*.
- 2 Connect the WA22 to your network. You can either use an Ethernet cable to connect the Ethernet port to an Ethernet drop, or you can use the fiber optic port option. For help connecting the WA22 to a fiber optic network, see "Connecting to Your Fiber Optic Network" in the *MobileLAN access WA2X System Manual*.
- 3 To power the WA22, use an Ethernet cable to connect the Ethernet port to a MobileLAN power bridge, a Cisco power bridge, or another 802.3af-compliant power bridge. For help, see the documentation that shipped with your power bridge.



## 4 Setting an Initial IP Address

- 1 Install the MobileLAN access Utility by inserting the enclosed CD, clicking **Install Software**, and following the instructions that appear on your screen. You can also download the software from the Intermec web site.
- Note:** Your PC must be on the same Ethernet segment as the access point. Or, if your PC is communicating wirelessly with the access point, you must have an active radio connection.
- 2 Start the utility.
  - 3 Configure parameters A through C. See the screen to the right.
  - 4 Reboot the access point by disconnecting it from and reconnecting it to a power source.
  - 5 Immediately, click **Set**. The Status box lets you know when the new IP address is successfully set.



- A** Click the down arrow and choose **Set IP Address**.
- B** Enter the Ethernet MAC address of the access point (printed on the label on the access point).
- C** Enter the new IP address of the access point.

### Congratulations!

Your wireless end devices can now begin transmitting data packets through the WA22 to your wired network. To continue configuring the access point, from the **Actions** menu choose **Configure Access Point**. Your web browser application (for example, Internet Explorer) starts and the Access Point Login screen appears.