Wireless Messaging

Simple to configure, easy to access

Wireless Access Summary

When your email server is MDaemon Pro, your email users can benefit from wireless access through their Pocket PC's or Internet-enabled mobile phones.

With wireless access, all of your MDaemon account holders can send and receive emails any time from any location with a mobile connection. They can do this with web-based clients or by using one of the IMAP and POP clients available for wireless devices.

Also, as the use of wireless increases, the AntiSpam and add-on AntiVirus powers of MDaemon become even greater benefits by stopping these problems at the server, before they waste wireless bandwidth.

Through its wireless capabilities, MDaemon is making mobile email accessible to small and mid-sized enterprises, at no additional cost.

About Alt-N Technologies

Alt-N Technologies delivers innovative, affordable and secure messaging and collaboration solutions used by businesses in over 90 countries and 20 languages worldwide. Headquartered in Grapevine, Texas, Alt-N Technologies' flagship solution, the MDaemon® email server, is a Windows-based, feature-rich platform that is installed in minutes, includes a strong arsenal of security tools and requires minimal administration and maintenance.

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MDaemon Wireless: Simple to Configure, Easy to Access

Mobile messaging is one of the most beneficial applications of personal wireless technology. Wireless products and services allow people to send and receive email from any location with a wireless connection. Innovative designs for small displays and keypads are making mobile email easier to use. Mobile messaging gives busy people freedom of movement while they continue to conduct their business and personal lives.

Personal Wireless Concepts

Personal wireless technology uses radio frequency signals to send and receive email and—increasingly—other types of data. People have been using wireless in various forms for more than a century. If you have ever listened to radio or watched television, then you have used wireless, but only as a receiver. With the exception of old-style pagers, personal wireless is almost always for two-way communications. Today, mobile telephones are the most common type of two-way personal wireless devices. Personal information managers (PIM's) and hand-sized computers with wireless capabilities are also becoming more common.

Illustration 1 shows an overview of wireless and wired connectivity to the Internet.
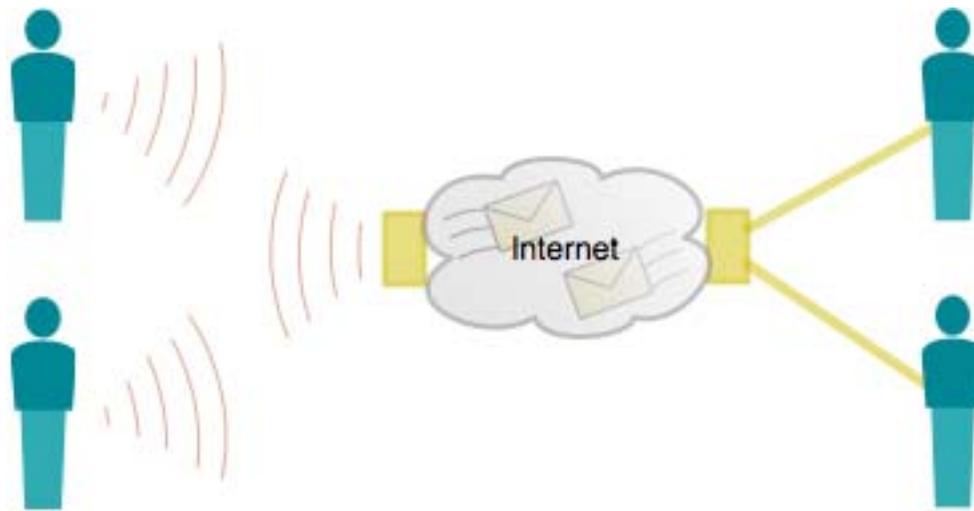

Illustration 1: Wireless Concepts

The people on the left are wirelessly connected to an email server. Those on the right have wired connections. Both are accessing their messages over the Internet. In theory, they could be attached to the same email server.

With the continuing deployment of high speed wireless networks, the data transfer rates of wireless devices are constantly improving.

How Wireless Works

Illustration 2 shows a block diagram with details of how wireless connectivity works. In practice, the primary differences between a regular email client and a wireless client are the screen size and the amount of data available for display.
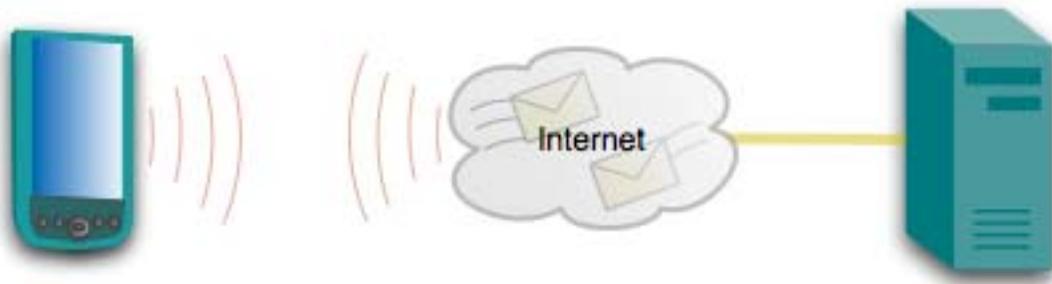

Illustration 2: Wireless Block Diagram

In the illustration, the wireless device on the left connects to the Internet and requests email services from the email server running on the computer on the right.

The server identifies the type of wireless device requesting services and then formats the user interface to correctly display information on its screen.

Mobile Messaging Content

At the top of its list of benefits, mobile messaging addresses issues related to the times and locations of busy people. When equipped with wireless, users can send and receive important information at any time and from any location with a wireless connection, without being in the office or at home.

However, personal wireless equipment is not intended to replace the power, speed and usability of a desktop workstation or notebook computer. Typically, computers have much larger and higher quality displays, faster and easier to use keyboards and much higher speed connections to the Internet. While this can possibly change in the future, computers are almost always the primary means of communication, supplemented by personal wireless technology.

Today, even the largest personal wireless devices have small displays and keypads. This means their primary email application is for sending and reading short messages containing text only. Some wireless devices use scrolling windows for reading and composing messages, while others use a horizontally scrolling marque-style display for reading incoming and creating outgoing content.

MDaemon Wireless Email

Wireless messaging continues MDaemon's practice of offering the most useful emerging technologies to small and mid-size enterprises. MDaemon has an earned reputation for scaling large-business tools, making them economical and easy to use, with or without professional IT staff. For many email features and functions, MDaemon is leading the industry by setting the overall standards.

As with other MDaemon tools, wireless is designed with professional features and beginner ease of use. MDaemon wireless requires no configuration. Wireless services for MDaemon make mobile messaging affordable for economy-mind enterprises of all sizes.

Using MDaemon Wireless

MDaemon Wireless services are available through the WorldClient web mail server and through the IMAP server of MDaemon PRO. When the WorldClient or IMAP servers are running, wireless email is available. No server configuration is required.

MDaemon currently supports these wireless protocols:

WAP 1 and WPA 2
 for the original and emerging Internet-enabled mobile phones.
Pocket PC, IMAP and POP
 for the mobile-device software developed by Microsoft, plus IMAP and
 POP clients for the Pocket PC, Blackberry and other wireless devices.

MDaemon wireless has a user interface "theme" for each type of device. When accessed through a wireless connection, MDaemon detects the device type—WAP 1, WAP 2 or Pocket PC—and applies the appropriate theme to correctly display the content.

Because the implementation of WAP sometimes varies among wireless manufacturers, users can also select a theme by specifying it in their email access bookmark.

For example, adding *?Theme=.WML* selects the WAP 1 theme, *?Theme=.XHTML* selects WAP 2 and *?Theme=.PocketPC* selects the Pocket PC theme.

If your wireless device does not display a login screen when accessing the email URL, you should create a bookmark with the correct theme specified. Here is an example bookmark for the WAP 2 theme: *http://wc.altn.com/?Theme=.XHTML*.

In addition, to web-based email, if your wireless device supports IMAP or POP, you can use these protocols and all of their benefits wirelessly through MDaemon. When using these, the AntiSpam and add-on AntiVirus powers of MDaemon become even greater benefits by stopping these problems at the server, before they waste wireless bandwidth.

Mobile Messaging Security

MDaemon counters multiple security threats as part of its everyday operations, including wireless messaging protection. MDaemon can protect wireless email from break-ins, tampering, spam and viruses. MDaemon is the industry-leader in server-based security features for email. A sampling of MDaemon's security tools include:

Content Filtering

- Manage email with server-side rules
- Inbound and outbound filtering

AntiSpam

- DNS blocking
- Content detection
- Bayesian filtering
- Heuristic learning
- HashCash stamps
- White lists
- Black lists

SSL

- Securely identify servers
- Encrypt data transfer
- Create authentication certificates

Access Security

- Relay authenticated email only
- Define trusted hosts and local IP's
- Tarpit excessive-volume SMTP sessions
- Reverse lookup
- IP and domain screening
- POP before SMTP

DomainKeys/DomainKeys Identified Mail

- Detects if messages are forgeries or altered in transit
- Authenticates sender domains and message integrity

MDaemon also includes many other security functions. For added protection against viruses, worms and Trojans, AntiVirus for MDaemon is also available as a separately licensed product.
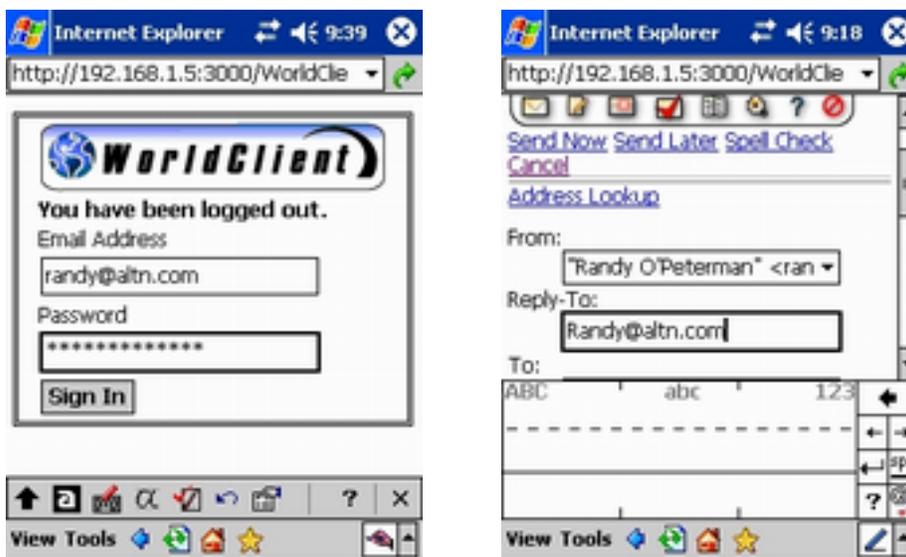
Pocket PC Example Screens

Illustration 3: Login and Compose Screens

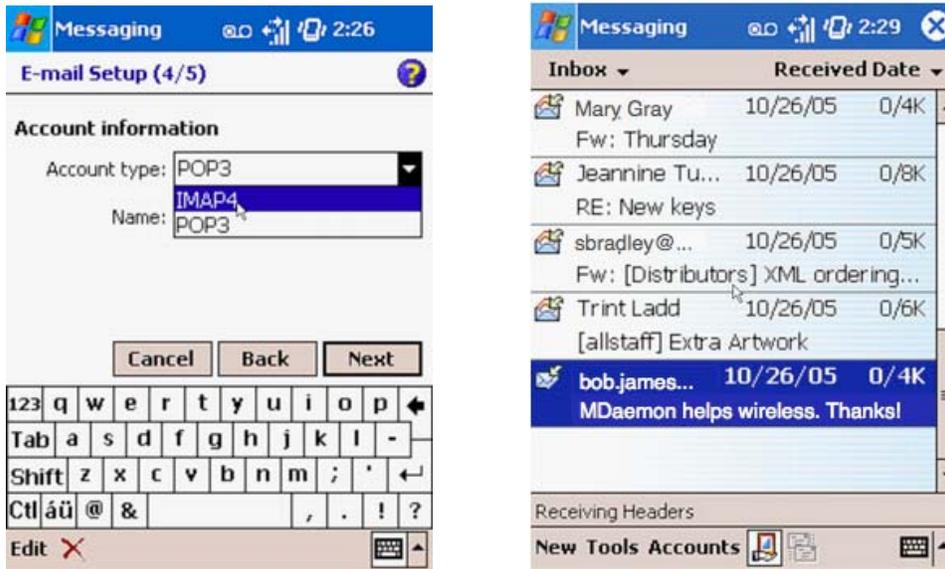## Wireless IMAP Setup and Messages Screens
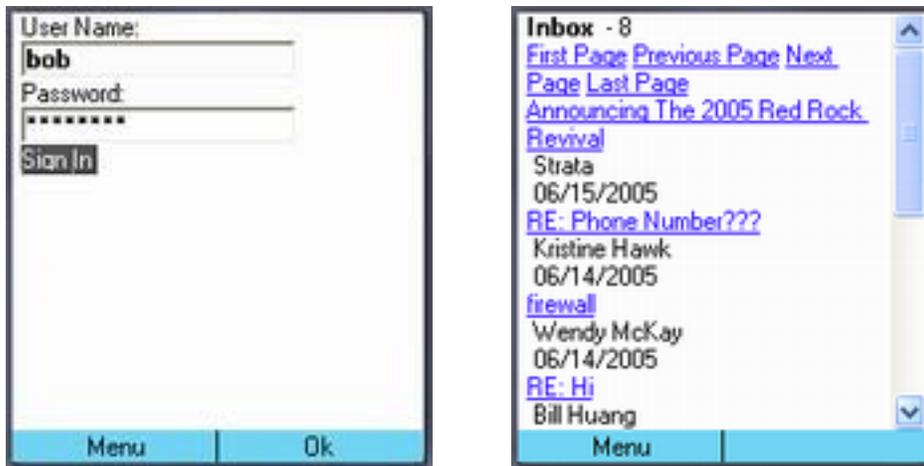

Illustration 4: Setup and Messages Screens

WAP 2 Example Screens

Illustration 5: Login and Inbox Screens