

**SPRINT PCS BUSINESS CONNECTION <sup>(SM)</sup> PERSONAL EDITION  
DETAILED PRODUCT AND FEATURE OVERVIEW  
SOFTWARE VERSION 3.0**

Sprint PCS Business Connection (SM) Personal Edition provides mobile subscribers with access to their corporate information while away from the office. By using Sprint PCS Business Connection Personal Edition, subscribers gain secure, real-time wireless access to corporate applications from their Sprint PCS Phone, PDA or any computer with standard Internet browsers. The following document contains a security overview and list of features included in Sprint PCS Business Connection Personal Edition v3.0.

**Security Overview**

There are three key security issues to consider when accessing your enterprise information from a mobile device:

- Does the service ensure that only I can access my information?
- Does the service ensure that my information is secure as it travels across the mobile network?
- Does the service prevent copies of my data from being stored openly on the Internet?

Sprint PCS Business Connection Personal Edition was built with the strongest standards-based security to address all three of these issues.

**I. SPRINT PCS BUSINESS CONNECTION PERSONAL EDITION VERIFIES YOUR IDENTITY AND PROTECTS AGAINST UNAUTHORIZED ACCESS BY THIRD PARTIES TO ENSURE THAT ONLY YOU CAN ACCESS YOUR INFORMATION.**

- **Verifying your identity through security credentials.**
  - When signing up for an account on the Sprint PCS Business Connection website, you are required to establish user name and password “credentials.” These credentials are matched to the Business Connection software that you download to your desktop. You must provide these credentials when you want to access your email or PIM information from your mobile device. By comparing these credentials with the desktop software, Sprint PCS Business Connection is able to verify your identity and grant access to your email and PIM information.
  - This process is similar to what happens when you want to withdraw money from an ATM machine. In both cases, you provide “credentials” that verify your identity and allow only you to access your account.
  - Sprint PCS Business Connection Personal Edition takes numerous steps to protect your credentials. The software applies a mathematical formula to transform the credentials before storing them. This ensures that each set of credentials is protected. Sprint PCS Business Connection Personal Edition is able to immediately reset your credentials so that they can no longer be used in the event that they are lost or stolen.
- **Protecting against unauthorized access through system security.**
  - Sprint PCS Business Connection Personal Edition further ensures security by taking steps to protect against intrusions by unauthorized third parties. First, the software uses advanced mathematical techniques to make it computationally unfeasible for an unauthorized third party to login through repeated attempts. Second, extensive sets of

monitoring tools are used to identify abnormal activity that would point to an unauthorized attempt to access the service. Finally, the data center is protected by numerous layers of physical security such as surveillance cameras and biometric readers, as well as numerous layers of network security such as router-based packet filtering and firewall configurations.

- These steps are similar to those taken by the most security conscious enterprises that use the Internet for business transactions. For example, if your company uses the Internet to exchange information with business partners, it is likely these same measures are being taken.

## **II. SPRINT PCS BUSINESS CONNECTION PERSONAL EDITION ENSURES THAT YOUR INFORMATION IS SECURE AS IT TRAVELS ACROSS THE MOBILE NETWORK.**

- Sprint PCS Business Connection Personal Edition establishes a secure link between your enterprise information and the mobile device to ensure that no one can intercept your information. Sprint PCS Business Connection Personal Edition uses a security mechanism referred to as “Secure Sockets Layer (or SSL)” to communicate across the network.
- SSL is the most commonly accepted standard for protecting information on the Internet today. It is highly likely that you already use SSL to protect your credit card number when doing transactions over the Internet, or to protect enterprise applications when accessing them over the Internet with a web browser.

## **III. SPRINT PCS BUSINESS CONNECTION PERSONAL EDITION PREVENTS COPIES OF YOUR DATA FROM BEING OPENLY EXPOSED OUTSIDE OF YOUR ENTERPRISE.**

- Sprint PCS Business Connection Personal Edition provides real-time access directly to the email and PIM information stored in your enterprise. The information is never retrieved and stored outside of your enterprise. This means that the information is always under the control of your IT administrator and the security policies in place for protecting your enterprise network.
- Sprint PCS Business Connection Personal Edition’s approach to data access is superior to many methods commonly used today for accessing enterprise information. For example, many people commonly synchronize their email and PIM information from their desktop onto a PDA for use while they are mobile. When the information has been synchronized onto the PDA, it is out of the control of the IT administrator. If the PDA is lost or stolen, then the enterprise information is at risk of being compromised. Sprint PCS Business Connection Personal Edition provides a much higher level of protection by allowing only you to access the information on a real-time basis.

## **Subscriber Functionality**

### **I. EMAIL – Sprint PCS Business Connection Personal Edition allows subscribers access to their corporate email accounts.**

- Access to Email Folders -- Users can view messages stored in mail folders including Inbox, Sent Items and Deleted Items.
- Read Mail -- Users can read messages stored in the mail folders. Each message will include the following fields: Subj, From, To, Cc, Body. Read messages will be marked as read in the messaging server and mobile application in real-time.
- Compose Mail -- Users can compose and send emails from their mobile devices. Users may specify the following fields while composing a new message: To, Cc, Bcc, Subject, and Body.
- Reply to Mail -- Users can respond to messages by choosing to Reply or Reply All. Users may specify the following fields while replying to messages: To, Cc, Bcc, Subject, and Body. The recipient fields and body will be pre-populated using addresses in the original message.
- Forward Mail -- Users can forward messages to other recipients. Users may specify the following fields when forwarding messages: To, Cc, Bcc, Subject, and Body. In v3.0, files attached to the original message are not attached in the forwarded mail.
- Delete Mail -- Users can delete messages. Deleted items will be moved to the Deleted Items folder. In cases where the message is already in the Deleted Items folder, the message will be permanently deleted from the folder.
- Mark Messages as Unread -- Users can select to mark read messages as unread.
- Selecting Recipients from Address Books -- When composing, forwarding, and replying to email, users may input recipients by selecting from their personal and corporate contacts.
- Attachments – Users can view attachment indicators and forward emails with attachments intact.

### **II. CONTACTS – Sprint PCS Business Connection Personal Edition allows the user to access Personal and Corporate contact lists from a mobile device.**

- Navigating to Personal or Corporate Contacts -- Users can find contacts by navigating through their entire contact list (ALL Contacts) or by searching in alphabetical order using links ABC, DEF, -----, WXYZ.
- Searching for Personal or Corporate Contacts -- Users can search for specific contacts by entering the contact name. In Exchange, searches obey the name ordering (“first name, last name” versus “last name, first name”) specified by Outlook for personal contacts and by the Exchange server for corporate contacts. Domino searches for contacts using last name, first name ordering.
- View Personal or Corporate Contact Details -- Users can view the information stored for each contact including the following fields: First name (First), Last name (Last), Work phone (Work #), Home phone (Home #), Mobile phone (Mobile #), Primary Email Address, and Organization (Organization). Organization is displayed for personal contacts only.
- Call Personal or Corporate Contacts -- Users may initiate a phone call to a contact by selecting a phone number included in the contact information. This feature is only available for handsets with browsers that support WTA.
- Email Personal or Corporate Contacts -- Users may send an email to a contact by selecting an email address included in the contact information. The selected address will be pre-populated in the Compose email page.

### **III. CALENDAR – Sprint PCS Business Connection Personal Edition allows users to access their Personal Calendar from a mobile device.**

- Daily Summary -- Users can view daily summaries of their Calendar. Summaries include time and subject information for each appointment in a given day.

- View Appointment Details -- Users can view the details for a specific appointment, including the following fields: Title, Start time, End time, Start Date, End date, and Location.
- Navigate to Next/Previous Day -- Users can navigate to daily summary views of the next or previous day from any daily summary view.
- Jump-to Date -- Users may navigate to other dates to view daily summaries and specific appointment details. Users may navigate the calendar by entering a specific date or selecting the following links referenced from the current day: Yesterday, Tomorrow, Next Week, and Next Month.

**IV. CONNECTION SHARING – Sprint PCS Business Connection Personal Edition allows users to access their corporate information when their computer is disconnected from the network by using another co-worker’s network connection.**

- Connection sharing requires that the co-worker pre-approve a connection-sharing request from the subscriber. The co-worker must also have a Sprint PCS Business Connection Personal Edition account. Connection sharing requires that the co-worker’s computer is connected on the same domain as the subscriber and that his/her Sprint PCS Business Connection Personal Edition application is running and connected.
- Depending on the platform and sharing method used, certain mobile functions may be unavailable to a subscriber when using a co-worker’s connection.
  - Service-based Connection Sharing -- Exchange users with Windows 2000 or Windows NT and with administrator privileges on their computers can support service-based connection sharing for other co-workers.
  - Application-based Connection Sharing -- Lotus Domino R5 users with Windows 98, Millennium Edition, Windows 2000, or Windows NT can support application-based connection sharing for other co-workers.
- Number of Connections Supported -- For computers meeting the minimum hardware and software requirements for hosting (see Requirements), Sprint PCS Business Connection Personal Edition supports a maximum of three shared connections in addition to the primary user connection.
- Connection Sharing Restrictions:
  - Sprint PCS Business Connection Personal Edition v3.0 does not include support for users with Windows 95 machines to share their connections with other co-workers.
  - Sprint PCS Business Connection Personal Edition v3.0 does not include connection-sharing support for Lotus Domino 4.6.

**V. DOCUMENT ACCESS – Sprint PCS Business Connection Personal Edition allows users to browse and download files stored locally in the computer running the Sprint PCS Business Connection Personal Edition software.**

- Document Access is only available when accessing Sprint PCS Business Connection Personal Edition using a PC browser (IE 4.01 SP2 or later, Netscape Navigator 4.76) or using a device with the Pocket Internet Explorer included in Pocket PC version 3.0. Subscribers may only download files that are less than 1MB in size. Document Access is not available when accessing the service using a co-worker’s connection.
- Browse Folders -- Users can browse files stored locally in the computer running the Sprint PCS Business Connection software. Users can navigate to folders and files under the top-level folder selected by the user in the Sprint PCS Business Connection Personal Edition application.
- Download/View Documents -- Users can download and view files (Word, Excel, PowerPoint, Plain Text) stored locally in the computer running the Sprint PCS Business Connection software.

**VI. MANAGEMENT AND PERSONALIZATION -- Sprint PCS Business Connection Personal Edition provides enterprise subscribers with a convenient web interface for the management and personalization of their mobile experience.**

- Custom Security Settings -- Users can customize their security settings by setting time limits for caching mobile usernames and passwords.
- Time Zone Preferences -- Users can change their default time zone from the web interface or their mobile device to control their calendar display.

## **General Support / Technical Requirements**

### **BROWSER SUPPORT -- Sprint PCS Business Connection Personal Edition includes support for the following browsers:**

- Openwave 3.0, 3.1, 3.2, 4.1
- Blazer 1.1 s5
- Eudora Web 2.1
- Pocket Internet Explorer included in Pocket PC version 3.0
- IE 4.01 SP2 or later
- Netscape Navigator 4.76

### **SYSTEM REQUIREMENTS – Although some restrictions apply, Sprint PCS Business Connection Personal Edition is functional on the following systems:**

- 3.2 Operating System Requirements
  - Windows(R) 95 (not supported for hosting co-worker connections)
  - Windows 98 Second Edition
  - Millennium Edition (Windows Me)
  - Windows NT(R) Workstation 4.0 Service Pack 3 (SP3)
  - Windows 2000 Professional
- 3.3 Messaging Systems and Clients Requirements
  - Microsoft Exchange 5.5 with Outlook 98 or 2000
  - Microsoft Exchange 2000 with Outlook 98 or 2000
  - Lotus Domino R5 with Lotus Notes R5
  - Lotus Domino 4.6 and Lotus Notes 4.6 or R5
- 3.4 Hardware and Software Requirements (Minimum)
  - Processor: 166 MHz Pentium II
  - Memory: 64 MB of RAM
  - 16 MB of available hard disk space
- 3.5 Hardware and Software Requirements for Hosting Connections (Minimum)
  - Processor: 300 MHz Pentium III
  - Memory: 128 MB of RAM
  - 16 MB of available hard disk space

### **PROXY SUPPORT**

- Proxy connection methods -- Users can connect to Sprint PCS Business Connection Personal Edition via the following standard enterprise proxy connection methods:
  - DIRECT connection via port 443
  - PROXY (HTTP tunneling)
  - SOCKS (version 4)
- Proxy Setting detection and configuration -- If the enterprise requires connection via proxy, Sprint PCS Business Connection Personal Edition detects the proxy settings using the following methods:
  - Auto-detects Internet Explorer proxy settings including protocol, hostname, and port or a URL to a proxy auto-configuration script to retrieve the protocol, hostname, and port.
  - Provides a simple UI for the user to manually configure proxy settings for cases where direct connection and auto-detection methods cannot determine the proxy server settings.

*To access your services from a mobile device, your computer or your connection sharing partner's computer must be connected to your corporate network and Sprint PCS Business Connection Personal Edition must be running. To register for a Sprint PCS Business Connection Personal Edition account, you must be a Sprint PCS customer with Sprint PCS Wireless Web® service. Sprint PCS Business Connection Personal Edition service is not available while roaming. Certain features of Sprint PCS Business Connection Personal Edition may not work with the connection sharing feature.*

*Make sure to disable automatic Sleep or Hibernation settings on your computer, as these will prevent Sprint PCS Business Connection Personal Edition from connecting. For security, when leaving your PC logged into the network:*

- *Windows NT/2000 Users: lock your workstation by pressing Ctrl-Alt-Delete and selecting 'Lock Computer.'*
- *Windows 95, 98, & ME Users: set a password-protected screen saver in Start>Settings>Control Panel>Display>Screen Saver.*