



## Product Brief

### Nortel Mobile Communication 3100

Improving productivity. Reducing cost. Anytime. Anywhere.

Nortel Mobile Communication 3100 is an enterprise Fixed-Mobile Convergence (FMC) solution that improves employee accessibility and productivity by letting mobile professionals stay connected anytime, anywhere. The solution supports a range of popular single-mode (cellular) and dual-mode (cellular/Wi-Fi) units, giving users the flexibility to choose their preferred mobile device and the most appropriate network connection that's available wherever business takes them. Nortel Mobile Communication 3100 builds upon existing enterprise investments in IP Telephony systems by extending these features to cellular coverage zones and leverages enterprise wireless LAN (WLAN) infrastructure to reduce on-site mobile communication costs.

The solution includes software clients for popular mobile PDAs and smartphones such as BlackBerry, Nokia and Windows Mobile. The Mobile Communication Gateway 3100 facilitates communication between private and cellular networks, and the powerful administration tool suite allows quick provisioning and management of clients. The solution is compatible with Nortel's award-winning communication servers — giving users a consistent set of services whether in the office, at home or on the road.

Table 1. MC 3100 components for single-mode and dual-mode solutions

	Component	Function
<b>Single Mode (Cellular)</b>	Mobile Communication Client 3100 (MCC 3100)	A soft client that allows real-time communication with the MCG 3100 to extend private enterprise communication server features to mobile phones
	Mobile Communication Gateway 3100 (MCG 3100)	A network application that facilitates communication between MCC 3100 and enterprise communication servers
<b>Dual Mode (Cellular/Wi-Fi)</b>	Mobile Communication Client 3100 (MCC 3100)	A SIP-based soft client that provides consolidated voice and messaging services on dual-mode Windows mobile handheld devices
	Mobile Communication Client 3100 (MCC 3100) with VPN	MCC 3100 for Windows Mobile with integrated Virtual Private Network client enables secure calling from within the enterprise WLAN or from Wi-Fi hotspots



## Single Mode (Cellular): Key features and benefits

- **Nortel communication server features:** Extends the award-winning feature set of Nortel communication servers to popular BlackBerry, Nokia and Windows Mobile devices on cellular service networks. These features included are hold, retrieve, transfer and conference.
- **Single Number Reach:** Users no longer need to leave a trail of phone numbers and can be reached anywhere, anytime.
- **Single Business Voicemail:** Cellular voicemail avoidance means mobile users can save time by only having to check one voicemail account.
- **Device Handoff:** Users can seamlessly move active calls between different devices, providing them with a flexibility to choose the most appropriate device to use.
- **Access to the Enterprise Dial Plan:** Users can dial PBX extensions from their mobile devices to quickly reach people and take advantage of the enterprise dial plan to save on long distance charges.
- **Access to Corporate Directory:** Users can directly access the Corporate Directory from cellular coverage zones and search for contacts to facilitate communication.

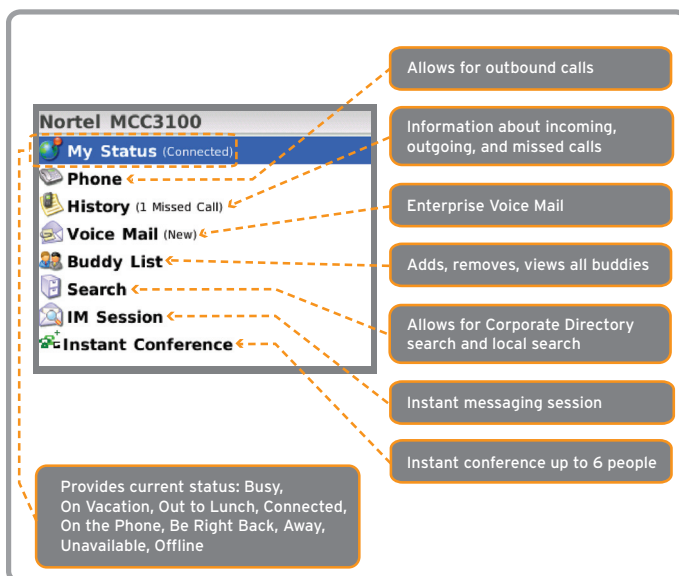
- **Instant Conference:** Set up conferencing calls instantly so that users can conference anytime, anywhere.
- **Advanced Call Control:** Users can originate/answer calls from devices other than the mobile device for convenience or to mitigate costly long distance cellular charges.
- **Presence and Instant Messaging:** Users can view other contact's online status and send instant messages in real-time, allowing enterprise to stay connected anytime, anywhere. Real-time presence information of mobile users is also integrated with Converged Office, creating offices without walls.
- **Simplified Management:** Over-the-air software download allows easy installation and configuration.
- **Cellular Service compatibility:** Freedom to choose a service provider with support for either GSM or CDMA networks with data service (GPRS/EDGE, 1xRTT/EVDO).

## Dual Mode (Cellular/Wi-Fi): Key features and benefits

- **Nortel communication server features (Wi-Fi):** Extends the award-winning feature sets of Nortel's communication servers to popular Windows Mobile dual-mode devices.

- **Single Number Reach (Wi-Fi):** Users no longer need to leave a trail of phone numbers and can be reached anywhere, anytime.
- **Wi-Fi and cellular connectivity:** Flexibility to use Wi-Fi for free mobile communication, better signal quality and access to advanced features of Nortel's communication servers. Users can set their network preference or have the Mobile Communication Client 3100 automatically select the network with the strongest signal.
- **Virtual Private Network support (Wi-Fi):** Provides users with a secure means of accessing the enterprise network and communication servers from Wi-Fi hotspots or home Wi-Fi routers.
- **Advanced Power Management (Wi-Fi):** An intelligent power-saving function triples the battery life of Windows Mobile devices in Wi-Fi environments.
- **Single contacts list and call logs:** Improved usability by consolidating data and providing a single interface.
- **Cellular Service compatibility:** Freedom to choose a service provider with support for either GSM or CDMA networks.

Mobile Communication Client 3100 (Cellular)



Mobile Communication Client 3100 (Cellular/Wi-Fi)



## Technical specifications

### Call Servers supported

MC 3100 Single Mode solution (Cellular)	Communication Server 1000 Release 5.5
MC 3100 Dual Mode solution (Cellular/Wi-Fi)	Communication Server 1000 Release 5.0
	Communication Server 1000 Release 5.5
	Multimedia Communication Server 5100 Release 4.0

### Mobile device requirements

MC 3100 Single Mode solution (Cellular)	Nokia E50/E51/E60/E61/E62/E65/E90/N95 BlackBerry 71xx, 7230/90, 7730, 8700c/07v/07h, 8100, 8800/30, 8300/10/20/30 Palm 750wx, Samsung Blackjack, HP IPAQ 69XX, HP IPAQ 510, Motorola Q/Q (9h), HTC TyTn, HTC 6800(Titan), HTC Universal, HTC Apache, HTC TyTn II, HTC S710/S720, HTC S620/S621
MC 3100 Dual Mode solution	HP IPAQ 69xx, HTC Apache, HTC TyTn (Windows Mobile 5.0), HTC Universal

### MCG 3100 requirements

MCG 3100	Communication Server 1000 Release 5.5 Linux Base HP DL320G4 (NTDU97AAE5) IBM x306m (NTDU99AAE5)
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### MCG 3100 Hardware requirements

Processor	3.0 GHz
Memory	2 GB DRAM
Hard Disk Drive	1-80 GB SATA Disk
Network Interface Card	2 1-GB Ethernet Cards
Power Supply	1 power supply

### Security

MCC 3100 Dual Mode solution	WEP/WPA/WPA2 (Device Dependent) IPSec VPN
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### MCC 3100 Dual Mode solution – Administration tool PC requirements

Hardware	Intel Pentium 4.1 GHz or higher Minimum 512 MB RAM 5 MB hard drive space Internet connection
Software	An operating system that supports Java Virtual Machine (JVM) version 1.6.0, such as Microsoft Windows XP Professional or Nortel CS 1000 Linux base Java 2 Platform, Standard Edition, version 1.6.0 or later (J2SE 1.6.0)

### Localization

Mobile Communication Client 3100 (MCC 3100)	English, French, Dutch, German, Norwegian, Swedish, Japanese, Simplified Chinese
Mobile Communication Gateway 3100 (MCG 3100)	English

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