



What is Mobile Commerce?

"Mobile commerce (m-Commerce) is the use of Internet-ready mobile wireless devices and appliances coupled with new wireless services to conduct business-to-business and business-to-consumer transactions over wired and wireless networks".

> -Lynne Thompson & Nick Smilonich -Unisys Corporation

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Wireless Networks Everywhere

Use, Application	Wireless Protocol
Short Range Devices, Personal Networks	Bluetooth, Infrared
Local Networks	Wireless LAN, Narrowband Wireless Local Loop (WLL)
Broadband (BWA)	RF, microwave, satellite, Local Multipoint Distribute Service (LMDS), Free Space Optical
Home	HomeRF
Automobile	Telematics, Bluetooth
Location	GPS
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Market Opportunity

"m-Commerce is one of the hottest growth areas in the New Economy".

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CDMA	Code Division Multiple Access. A generic term applied to a spread spectrum digital air interface technology that tags segments of a transmission with a code.
cdmaOne	The Interim Standard-95 CDMA standard, coined by the CDMA Development Group and based on technology developed by Qualcomm
cdma2000	A 3G standard principally pushed by Qualcomm and the CDMA development Group that would be compatible with cdmaOne.
CDP	Cellular Digital Packet Data
CRM	Customer Relations hip Management
DES	Data Encryption Standard (or Data Encryption algorithm): the most widely used method for "symmetric" encryption The main source is ANSI X3.92.
EDGE	Evolved Data for GSM Evolution. Allows networks to meet many of the requirements for UMTS
EMPS	Electronic Mobile Payment System

Acror	yms and Terminology
EMV	Europay-Mastercar d-Visa specifications for chip-based payment cards. EMV 1 corresponds with (and generally conforms with) ISO 7816 parts 1-5; the other parts of this specification cover the details of a standard credit/debit application and the requirements for terminals
ETSI	European Telecommunications Standards Institute. Sets network standards in Europe and backs a W-CDMA proposal.
GSM	Global System for Mobile communications, a digital transmission technology, elements of which would be combined with CDMA in the W-CDMA proposals.
GPRS	General Packet R adio Services
GPS	Global Positioning System
HDML	Handheld Device Markup Language. Written to allow Inter net access from wireless devices such as handheld personal computers and smart phones. Derived from hypertext markup language. One version of HDML is Unwired Planet Inc.'s UP.Link.
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πυ	International Telecommunication Union, the United Nations body that ultimately will recommend a 3G standard or standards.
IMT-2000	International Mobile Telecommunications-2000, an initiative of the Geneva-based ITU, which outlines the requirements for national standards setting bodies.
PKI	Public Key Infrastructure
SET	Secure Electronic Transactions: a standard for credit card payment across networks, which does not depend on the security of the network and does not allow the merchant access to the customer's card number. It also links the payment to a specific sale transaction. SET does not require the use of a smart card
spread spectrum	Radio transmission technology that "spreads" information over greater bandwidth than necessary for interference tolerance
SIM	Subscriber Identification Module. Smart card holding the user's identity and telephone directory. SMS-Applications may reside on the SIM
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Acron	yms and Terminology
SMS	Short Message Service. Facility for sending text messages on GSM handsets
SSL	Secure Socket Layer. A form of data encryption used in computer based transactions
TD-CDMA	A 3G proposal combining elements of TDMA and CDMA.
TDMA	Time di vision multiple access. A digital air interface technology using time-deline at ed segments for radio transmissions.
TIA	Telecommunications Industry Association, a trade group that sets standards in the U.S. through its TR45 committee.
UMTS	Universal Mobile Telecommunications System, a term used by ETSI to refer to future mobile access to public network services.
UW CC	Universal Wireless Communications Consortium, supporting a 3G standard using TDMA.
W AP	Wireless Application Protocol. Offers internet browsing from wireless handsets
W-CDMA	Wideband CDMA. Normally used to identify the proposed 3G standard from the European Telecommunications Standards
Contra Mandred Mil	Institute and not necessarily compatible with cdmaOne
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