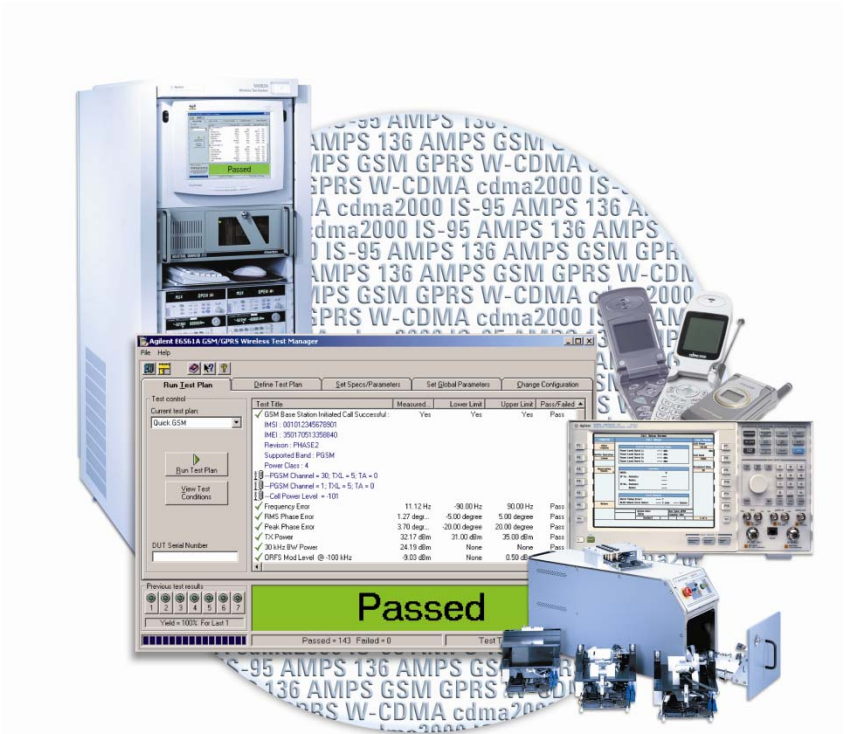




# Agilent Wireless Test Manager Family

## Configuration Guide



## Introduction

This configuration guide covers ordering a new Wireless Test Manager and upgrading an existing Wireless Test Manager to the latest version.

The Wireless Test Managers are a family of powerful, easy-to-use test set automation software for design, manufacture, and service of wireless devices. Designed to run on a Windows® PC, the Wireless Test Manager makes automated test development, support and use easier than ever.

There are different Wireless Test Manager software products for different wireless technologies. Features include technology-specific tests, easy-to-use operator and development interfaces, Microsoft® Visual Basic 6® or Visual Basic .NET® programming for complex test development, and a common test executive across all Wireless Test Manager products.

## New order configuration information

Table 1 shows the Wireless Test Manager (WTM) to order for each technology and lists the Agilent test set required to run pre-defined tests. The WTM can control other GPIB, USB, LAN, or RS-232 devices on the Visual Basic .NET platform.

Table 1. Configuration information

Wireless technology	Wireless Test Manager		Test Application (TA) and Lab Application (LA) requirements			Mainframe requirements	
	Visual Basic .NET	Visual Basic 6	Test application	Lab application <sup>1,2</sup>	Fast switching TA <sup>3</sup> or LA <sup>4</sup>	Model <sup>5</sup>	Options
cdma2000®, IS-95, and AMPS	N5880A	–	E1962B	E6702B	E6785E E1987A	E5515C	003, 004
	E6567C	–	E1962B	E6702B	E1987A E6785E	E5515C	003
GSM/GPRS/EGPRS	E6568C	–	E1968A-202	E6701F	E1987A E6785E	E5515C	002
W-CDMA	N5882A	–	E1963A	E6703E	E6785E E1987A	E5515C	003
	E6568C	–	E1963A	E6703E	E1987A E6785E	E5515C	003
W-CDMA/GSM/GPRS/EGPRS	E6568C	–	E1963A E1968A	E6701F E6703E	E1987A E6785E	E5515C	002, 003
1xEV-DO	N5884A	–	–	E6706A	–	E5515C	003, 004
	E6567C	–	E1966A	E6706A	E1987A	E5515C	003
cdma2000/IS-95/AMPS/1xEV-DO	E6567C	–	E1962B E1966A	E6702B E6706A	E1987A E6785E	E5515C	003
Suite	E6569C <sup>6</sup>	–	See the requirements for each Wireless Test Manager product				
Run-time	E6571C	E6571A	See the requirements for selected technology				
Bluetooth®/WLAN	N4019C	–	None required	–	–	N4010A	101, 102 103, 107
Bluetooth/WLAN run-time	N4018C	–	None required	–	–	N4010A	101, 102 103, 107

### Attention:

1. E6560C, E6562C, E6564C, E6566C, and all associated options are discontinued.
2. Existing E6560C and E6564C customers can acquire the latest E6567C revision by ordering E6567C-300. Existing E6562C and E6566C customers can acquire the latest E6568C revision by ordering E6568C-300. Refer to Table 3 WTM upgrade 2 for detailed information.

<sup>1</sup> Requires a specific revision of test application or lab application. See the individual test manager technical overview or product overview to determine compatible TA/LA revision.

<sup>2</sup> E656x WTM functionality supports parametric measurement in lab applications. See the individual test manager technical overview or product overview for a list of measurements.

<sup>3</sup> E1987A fast switching TA is supported by E656xC and E6571C only.

<sup>4</sup> Compatible with fast switching TAs and some parametric measurements in fast switching LAs.

<sup>5</sup> E5515B or E5515T requires the same options as E5515C and may require an upgrade to be compatible.

<sup>6</sup> E6569C is the suite including the E6567C and the E6568C applications

## Wireless Test Manager products

### Visual Basic .NET (USB security key)

N5880A-100	cdma2000/IS-95/AMPS Enhanced WTM (development and run-time); requires E6702B LA and E5515C with Option 003, 004, or compatible E5515B/T <sup>1</sup> )
N5882A-100	W-CDMA Enhanced WTM (development and run-time; requires E6703E LA or E6785E LA and E5515C with Option 003, or compatible E5515B/T <sup>1</sup> )
N5884A-100	1xEV-DO Enhanced WTM (development and run-time; requires E6706A LA and E5515C with Option 003, 004, or compatible E5515B/T <sup>1</sup> )
E6567C-100	cdma2000/IS-95/AMPS/1xEV-DO WTM (development and run-time; requires E1962B or E1966A TA and E5515C with Option 003 or compatible E5515B/T <sup>1</sup> , also compatible with E1987A fast switching TA or E6785E fast switching LA)
E6568C-100	W-CDMA, GSM, GPRS, and EGPRS WTM (development and run-time; requires E1963A, E1968A, or E1987A TA, or E6701F, E6703E, or E6785E LA, and E5515C with Option 002 and 003 or compatible E5515B/T <sup>1</sup> )
E6569C	WTM Suite (includes E6567C-100 and E6568C-100)
E6571C	WTM run-time license (only licenses the WTM on Visual Basic .NET)
N4018C	<i>Bluetooth</i> /WLAN WTM run-time license (refer to <a href="http://literature.agilent.com/litweb/pdf/5989-3486EN.pdf">http://literature.agilent.com/litweb/pdf/5989-3486EN.pdf</a> for N4010A configuration)
N4019C	<i>Bluetooth</i> /WLAN WTM development license (development and run-time; refer to <a href="http://literature.agilent.com/litweb/pdf/5989-3486EN.pdf">http://literature.agilent.com/litweb/pdf/5989-3486EN.pdf</a> for N4010A configuration)

### Visual Basic 6 (parallel security key)

E6571A	WTM run-time license (requires E5515C with required options and at least one standard WTM for each chosen technology)
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### Included with the E6567C, E6568C, N5880A, N5882A, N5884A, and N4019C WTM

- CD-ROM with
  - Technology-specific WTM
  - Context-sensitive help
- WTM licenses
- Security key for PC USB port

### Included with E6569C suite

- CD-ROMs and licenses for E6567C-100 and E6568C-100
- Single security key for PC USB port

### Included with E6571C, E6571A, and N4018C run-time

- Run-time license for Visual Basic .NET and/or Visual Basic 6 test managers listed on pages 3 and 4
- Run-time security key either for PC USB or parallel port, depending on product (N4018C security key works only with *Bluetooth*)

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<sup>1</sup> E5515B or E5515T requires the same options as E5515C and may require an upgrade to be compatible.

# Wireless Test Manager upgrades

The WTM products are periodically revised to add new measurements, improve functionality, add capability, or resolve known issues. Upgrade your WTM to the newest version by purchasing an upgrade product and installing it on your PC. Demos for latest releases, incremental features and patches for WTM can be found at [www.agilent.com/find/wtmdownloads](http://www.agilent.com/find/wtmdownloads)

There is a specific upgrade product for each WTM. Unless otherwise specified, upgrade products are “smart” to help preserve the custom test plans and test steps you have added.

Table 2 shows the upgrade path by product and version for all WTMs. See product release notes to find out what improvements have been made in each version. To read release notes, go to [www.agilent.com/find/wtm](http://www.agilent.com/find/wtm), and select your product number. Next, select **Technical Support, Drivers and Software** then **Release Notes**.

Table 2. WTM upgrade

WTM	Upgrade product	Technologies	Upgrade to version	Upgrade from version	Notes
N5880A	N5880A-200	cdma2000, IS-95, and AMPS	A.02.01	A.0X.XX	
N5882A	N5882A-200	W-CDMA	A.02.01	A.0X.XX	
N5884A	N5884A-200	1xEV-DO	A.02.01	A.0X.XX	
E6567C	E6567C-200	cdma2000, 1xEV-DO	C.02.02	C.0X.XX	
E6568C	E6568C-200	W-CDMA, GSM, GPRS, EGPRS	C.02.02	C.0X.XX	
E6569C	None	Suite	–	–	Upgrade individual WTMs
E6571A	None	Run-time	–	–	Upgrade standard WTM and download to run-time
E6571C	None	Run-time	–	–	Upgrade standard WTM and download to run-time

E6560C, E6562C, E6564C and E6566C were discontinued. Existing users can upgrade to corresponding E6567C or E6568C to acquire the lasted capability. Table 3 shows the upgrade path for upgrading from single technology to multi-technology.

Table 3. WTM upgrade 2 (upgrade from single technology to multi-technology)

WTM	Upgrade product	Technologies	Version	Upgrade from product
E6567C	E6567C-300	cdma2000, 1xEV-DO	C.02.02	E6560C or E6564C
E6568C	E6568C-300	W-CDMA, GSM, GPRS, EGPRS	C.02.02	E6562C or E6566C

## Included with the WTM upgrade and WTM upgrade 2

- CD-ROM with
  - “Smart” upgrade install application to help preserve custom tests
  - Latest version of WTM
  - Updated context-sensitive help
- License for latest release

## PC requirements

### For Visual Basic .NET WTM products:

- Microsoft Windows XP® Professional Service Pack 2, Windows 2000® Professional Service Pack 4
- Microsoft Visual Studio .NET®
- Microsoft Internet Explorer® Version 5.0 or later
- 600 MHz Pentium® III or higher (1 GHz Pentium III or higher for extended capability)
- 256 MB RAM minimum (512 MB is recommended for normal development and is required for extended capability operation)
- 200 MB free hard drive space
- CD-ROM
- GPIB card or converter with VISA drivers (one per test system)
- USB port for security key connection
- Serial ports for fixtures, device control, and bar code reader

### For Visual Basic 6 WTM products:

- Microsoft Windows 2000, XP, NT®, or 98® second edition
- Microsoft Visual Basic 6.0, Service Pack 5
- Microsoft Internet Explorer Version 5.0 or later
- 500 MHz Pentium III or higher
- 256 MB RAM recommended, 128 MB RAM minimum
- 200 MB free hard drive space
- CD-ROM
- GPIB card or converter with VISA drivers (one per test system)
- Parallel port for security key (IEEE 1284, IETF 1287)
- Serial ports for fixtures, device control, and bar code reader



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Other European Countries:

[www.agilent.com/find/contactus](http://www.agilent.com/find/contactus)

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