

Wireless Solutions Options and Accessories Guide

Introduction

System Accessories

System Part Numbers

E7473A CDMA Systems

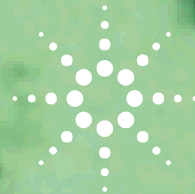
E7474A TDMA Systems

E7475A GSM Systems

E7490A Over Air Systems

Click a button for more information

Revision 2.0



Agilent Technologies

Wireless Solutions Options and Accessories Guide

E7473A, E7474A, E7475A and
E7490A



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Safety and Regulatory Information

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	When you see this symbol on your instrument, you should refer to the instrument's instruction manual for important information.
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	The laser radiation symbol is marked on products that have a laser output.
	This symbol indicates that the instrument requires alternating current (ac) input.
	The CE mark is a registered trademark of the European Community. If it is accompanied by a year, it indicates the year the design was proven.
	The CSA mark is a registered trademark of the Canadian Standards Association.
ISM 1-A	This text indicates that the instrument is an Industrial Scientific and Medical Group 1 Class A product (CISPER 11, Clause 4).
	This symbol indicates that the power line switch is ON.
	This symbol indicates that the power line switch is OFF or in STANDBY position.
 N279	The C-Tick mark is a registered trademark of the Spectrum Management Agency of Australia. This signifies compliance with the Australian EMC Framework Regulations under the terms of the Radio communications Act of 1992



Welcome to Your Options and Accessories Guide

Thank you for choosing Agilent Technologies. In this Guide, you'll find the necessary information needed to support your drive test system.

For Information on...	See This
Overview of the Agilent Wireless Solutions System	"Introduction" on page vi
CDMA E7473A Systems	"E7473A System Options" on page 1-2
TDMA E7474A Systems	"E7474A System Options" on page 2-2
GSM E7475A Systems	"E7475A System Options" on page 3-2
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System Part Number Summary	"Part Number Summary" on page 6-2

If You Need Help...

To Do This...	See This
View and Print this Guide	Additional Documentation, Chapter 3, <i>Getting Started Guide</i>
Contact Agilent Technologies and the Product Web site	http://www.agilent.com/find/drive_test

Introduction

The E74xx drive test system is a scalable integrated air interface measurement system, used to obtain comprehensive RF measurement and call performance data versus location. Depending on the hardware options you have purchased, you will be able to make measurements on the following technology types:

- CDMA Cellular and PCS band
- TDMA Cellular and PCS band
- GSM900, DCS1800, GSM1900, or GSM900/DCS1800 Dual-band

Receiver-based, phone-based, or combined measurement capabilities are selected via stackable software licenses that reside on a supplied software protection key. Measurement receivers, which can be supplied with or without an internal GPS receiver, are supplied with magnetic mounting antennas, car mounting brackets, and RS-232 connection cables to link to a laptop PC (available as an accessory). Phone software licenses are supplied with dual-port ruggedized PCMCIA serial I/O cards.

The E74xx drive test system is a scalable measurement system for wireless optimization. It has four basic configurations:

- Phone-based measurement system using a single or multiple test mobile phones
- Receiver-based measurement system using a single or multiple digital measurement receivers
- Combined phone and receiver measurement system using a single or multiple receivers and phones
- Basestation Over Air Testing (Model E7490A, CDMA only)

All of the above configurations can be used for indoor measurement. Measurements are matched to an imported floor plan or map in the absence of GPS.



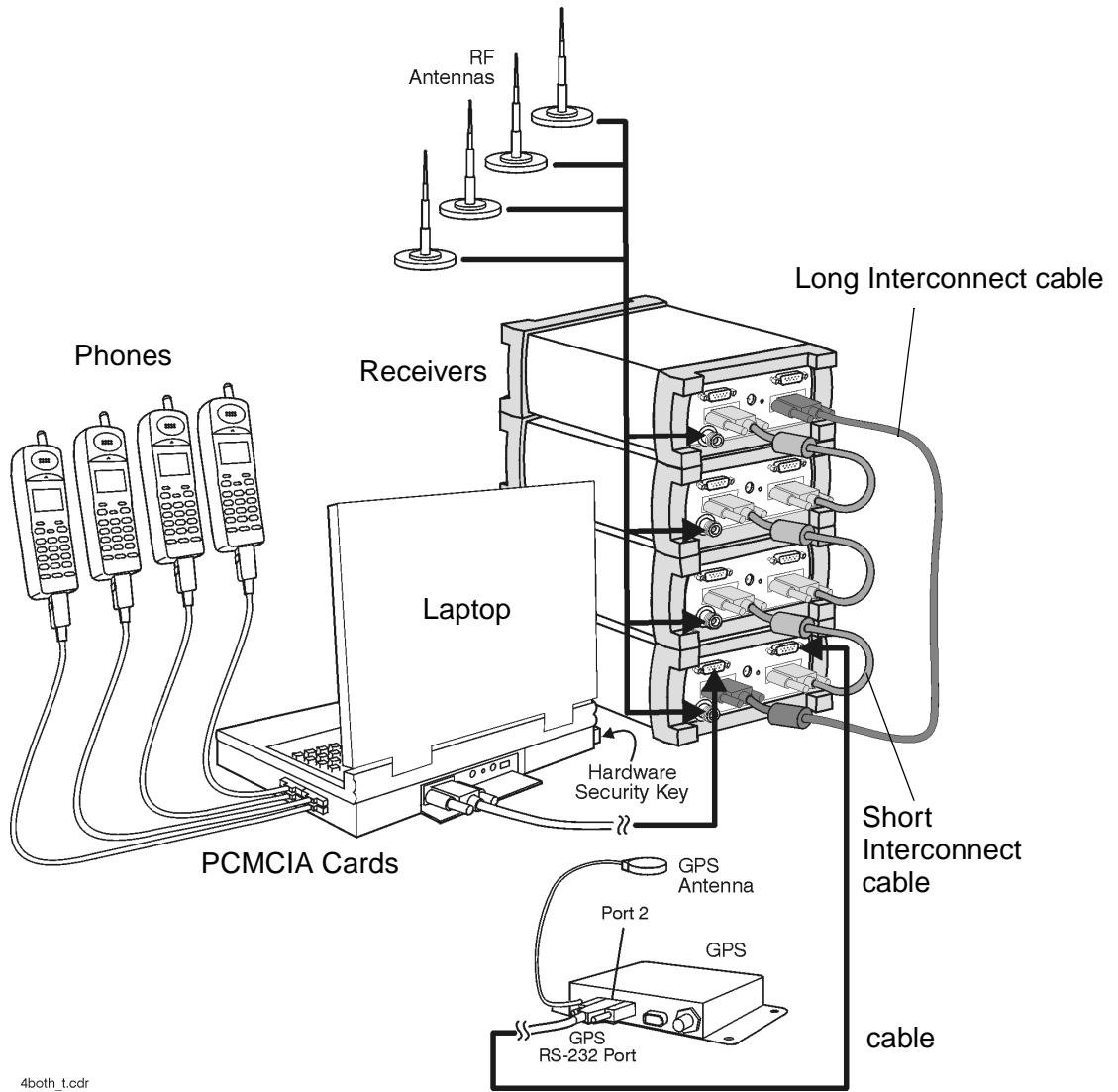
Introduction

The system requires a PC with Windows 95/98 or NT 4.0 (or later) running the receiver and/or phone-based measurement software. A navigation system, such as a GPS receiver and GPS antenna, is required to obtain longitude and latitude information for logging the position at which the measurements are taken by the receiver or the phone. This type of measurement can also be accomplished by use of the indoor option in lieu of the GPS option. The GPS receiver may be integrated into the digital receiver or it may be an external device. A suitable laptop PC and external GPS receiver can be supplied as drive test accessory products. The complete system is transportable in a lightweight briefcase that can be supplied as an accessory product.

The diagram below illustrates a four phone and four receiver system.



Introduction



4both_t.cdr



E7473A System Options

System Options

Part Numbers

System Accessories



E7473A System Options

For details on the measurement capabilities and setting up your system, refer to the *Getting Started Guide* shipped with your system. Contact your local Agilent sales and service office for information about ordering these options.

Option	Description	More Details On Page
100	CDMA Phone software license	page 1-3
101	CDMA Phone Mobile Station Test (MOST) software license	page 1-3
110	CDMA Receiver software license	page 1-3
111	CDMA Code Domain and Spectrum Mask software license	page 1-3
120	CDMA Receiver and Phone software license	page 1-3
150	CDMA Multiple Phone software license	page 1-3
160	Real-Time Mapping software license	page 1-4
180	Indoor Measurement software license	page 1-4
300	Cellular Band Receiver (824-849 MHz and 869-894 MHz)	page 1-5
310	Cellular Band Receiver (824-849 MHz and 869-894 MHz) with internal GPS	page 1-5
320	PCS Band Receiver (1850-1910 MHz and 1930-1990 MHz)	page 1-6
330	PCS Band Receiver (1850-1910 MHz and 1930-1990 MHz) with internal GPS	page 1-6
380	J-CDMA Band Receiver (832-870 MHz and 887-925 MHz)	page 1-7
381	J-CDMA Band Receiver (832-870 MHz and 887-925 MHz) with internal GPS	page 1-7
390	Korean PCS Band Receiver (1710-1785 MHz and 1805-1880 MHz)	page 1-8
391	Korean PCS Band Receiver (1710-1785 MHz and 1805-1880 MHz) with internal GPS	page 1-8



E7473A System Options

Item	Option	Part Number	Description
Software License	100		<ul style="list-style-type: none">• CDMA Phone software license• Software CD• Software License security key• Dual port PCMCIA serial I/O card
		E7474-90009	<ul style="list-style-type: none">• Getting Started Guide
	101		<ul style="list-style-type: none">• CDMA Phone Mobile Station Test (MOST) software license• Software CD• Software License security key• Single Port I/O Card or Dual Port I/O Card
		E7474-90009	<ul style="list-style-type: none">• Getting Started Guide
	110		<ul style="list-style-type: none">• CDMA Receiver software license• Software CD• Software License security key
E7474-90009		<ul style="list-style-type: none">• Getting Started Guide	
111		<ul style="list-style-type: none">• CDMA Code Domain and Spectrum Mask software license• Software CD• Software License security key	
	E7474-90009	<ul style="list-style-type: none">• Getting Started Guide	
120		<ul style="list-style-type: none">• CDMA Receiver and Phone software license• Software CD• Software License security key• Dual port PCMCIA serial I/O card	
	E7474-90009	<ul style="list-style-type: none">• Getting Started Guide	
150 ^a		<ul style="list-style-type: none">• CDMA Multiple Phone software license• Software License security key• Dual port PCMCIA serial I/O card	



E7473A System Options

Item	Option	Part Number	Description
Software License (continued)	160		<ul style="list-style-type: none">• Real-Time Mapping software license• Software CD• Software License Security Key
	180 ^b		<ul style="list-style-type: none">• Indoor Measurement software license• Software CD• Software License security key
		E7474-90010	<ul style="list-style-type: none">• Indoor Getting Started Guide

- a. Option 150 may be purchased as an upgrade software license with options 100 or 120, or it may be purchased separately. For more information on transferring licenses between security keys, refer to the License Manager online help.
- b. Enables indoor measurement correlation to an imported floor plan/map in the absence of GPS. Indoor option must operate with other, 100-series, measurement software options in order to collect and record measurement data. Supports *.tab, *.gif, *.tif formats for floor plan import.



E7473A System Options

Item	Option	Part Number	Description
Receivers	300		Cellular Band (E6452A) Receiver (824-849 MHz and 869-894 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		1150-2061	Magnetic Mount Cellular Band Antenna
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
	310		Cellular Band (E6452A) Receiver (824-849 MHz and 869-894 MHz) with internal GPS
		0950-2679	AC/DC Power Supply for Receiver
		1150-2061	Magnetic Mount Cellular Band Antenna
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit



E7473A System Options

Item	Option	Part Number	Description
Receivers (continued)	320		PCS Band (E6450B) receiver (1850-1910 MHz and 1930-1990 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		E7475-60007	Magnetic Mount PCS Band Antenna
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
			330
		0950-2679	AC/DC Power Supply for Receiver
		E7475-60007	Magnetic Mount PCS Band Antenna
		1150-2085	Magnetic Mount GPS antenna for internal GPS
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit



E7473A System Options

Item	Option	Part Number	Description
Receivers (continued)	380		J-CDMA Band (E6452A-H02) Receiver (832-870 MHz and 887-925 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80005	Magnetic Mount 900 MHz Band Antenna Assembly
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
	381		J-CDMA Band (E6452A-H02) Receiver (832-870 MHz and 887-925 MHz) with internal GPS
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80005	Magnetic Mount 900 MHz Band Antenna Assembly
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
86154-60033	Vehicle Mounting Kit		



E7473A System Options

Item	Option	Part Number	Description
Receivers (continued)	390		Korean-CDMA (E6453A) Receiver (1710-1785 MHz and 1805-1880 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80004	Magnetic Mount 1.7-1.9 MHz PCS Band Antenna
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
	86154-60033	Vehicle Mounting Kit	
	391		Korean-CDMA (E6453A) Receiver (1710-1785 MHz and 1805-1880 MHz) with internal GPS
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80004	Magnetic Mount 1.7-1.9 MHz Band Antenna
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
E6450-60010		Cigarette Lighter Power Adapter	
E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)		
86154-60033	Vehicle Mounting Kit		



E7474A System Options

System Options

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System Accessories



E7474A System Options

For details on the measurement capabilities and setting up your system, refer to the *Getting Started Guide* shipped with your system. Contact your local Agilent sales and service office for information about ordering these options.

Option	Description	More Details On Page
100	TDMA Phone software license	page 2-3
110	TDMA Receiver software license	page 2-3
120	TDMA Receiver and Phone software license	page 2-3
150	TDMA Multiple Phone software license	page 2-3
160	Real-Time Mapping software license	page 2-3
180	Indoor Measurement software license	page 2-3
300	TDMA Cellular Band Receiver (824-849 MHz and 869-894 MHz)	page 2-4
310	TDMA Cellular Band Receiver (824-849 MHz and 869-894 MHz) with internal GPS	page 2-4
320	TDMA PCS Band Receiver (1850-1910 MHz and 1930-1990 MHz)	page 2-5
330	TDMA PCS Band Receiver (1850-1910 MHz and 1930-1990 MHz) with internal GPS	page 2-5



E7474A System Options

Item	Option	Part Number	Description
Software License	100		<ul style="list-style-type: none"> • TDMA Phone software license • Software CD • Software License security key • Dual Port PCMCIA Serial I/O card
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
	110		<ul style="list-style-type: none"> • TDMA Receiver software license • Software CD • Software License security key
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
	120		<ul style="list-style-type: none"> • TDMA Receiver and Phone software license • Software CD • Software License security key • Dual Port PCMCIA Serial I/O Card
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
150 ^a		<ul style="list-style-type: none"> • TDMA Multiple Phone software license • Software License security key • Dual Port PCMCIA Serial I/O Card 	
160		<ul style="list-style-type: none"> • Real-Time Mapping software license • Software CD • Software License security key 	
180 ^b		<ul style="list-style-type: none"> • Indoor Measurement software license • Software CD • Software License security key 	
	E7474-90010	<ul style="list-style-type: none"> • Indoor Getting Started Guide 	

a. Option 150 may be purchased as an upgrade software license with options 100 or 120, or it may be purchased separately. For more information on transferring licenses between security keys, refer to the License Manager online help.

b. Enables indoor measurement correlation to an imported floor plan/map in the absence of GPS. Indoor option must operate with other, 100-series, measurement software options in order to collect and record measurement data. Supports *.tab, *.gif, *.tif formats for floor plan import.



E7474A System Options

Item	Option	Part Number	Description
Receivers	300		TDMA Cellular Band Receiver (824-849 MHz and 869-894 MHz) with:
		0950-2679	AC/DC Power Supply for Receiver
		1150-2061	Magnetic Mount Cellular Band Antenna
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
	86154-60033	Vehicle Mounting Kit	
	310		TDMA Cellular Band Receiver (824-849 MHz and 869-894 MHz) with internal GPS and:
		0950-2679	AC/DC Power Supply for Receiver
		1150-2061	Magnetic Mount Cellular Band Antenna
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
E6450-60007		Firmware Write Enable Key	
E6450-60010	Cigarette Lighter Power Adapter		
E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)		
86154-60033	Vehicle Mounting Kit		



E7474A System Options

Item	Option	Part Number	Description
Receivers (continued)	320		PCS Band receiver (1850-1910 MHz and 1930-1990 MHz) with:
		0950-2679	AC/DC Power Supply for Receiver
		E7475-60007	Magnetic Mount PCS Band Antenna
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
			330
		0950-2679	AC/DC Power Supply for Receiver
		E7475-60007	Magnetic Mount PCS Band Antenna
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit





E7475A System Options

System Options

Part Numbers

System Accessories



E7475A System Options

For details on the measurement capabilities and setting up your system, refer to the *Getting Started Guide* shipped with your system. Contact your local Agilent sales and service office for information about ordering these options.

Option	Description	More Details On Page
100	GSM Phone software license	page 3-4
110	GSM Receiver software license	page 3-4
120	GSM Receiver and Phone software license	page 3-4
130	GSM Scan Test Mobile software license	page 3-4
150	GSM Multiple Phone software license	page 3-4
160	Real-Time Mapping software license	page 3-4
180	Indoor Measurement software license	page 3-4
300	GSM 900 Digital Receiver (880-915 MHz and 925-960 MHz)	page 3-5
305	GSM-R Digital Receiver (876-915 MHz and 921-960 MHz)	page 3-5
310	GSM 900 Digital Receiver (880-915 MHz and 925-960 MHz) with internal GPS	page 3-6
320	DCS 1800 Digital Receiver (1710-1785 MHz and 1805-1880 MHz)	page 3-6
330	DCS 1800 Digital Receiver (1710-1785 MHz and 1805-1880 MHz) with internal GPS	page 3-7
340	GSM 1900 Digital Receiver (1850-1910 MHz and 1930-1990 MHz)	page 3-7
350	GSM 1900 Digital Receiver (1850-1910 MHz and 1930-1990 MHz) with internal GPS	page 3-8
500	GSM 900 Sagem Test Mobile Phone	page 3-8
510	DCS 1800 Sagem Test Mobile Phone	page 3-8

E7475A System Options

Option	Description	More Details On Page
520	GSM 1900 Sagem Test Mobile Phone	page 3-8
530	GSM 900/DCS 1800 Dual Band Sagem Test Mobile Phone	page 3-8
A1X to ARS	Country Specific Power Localization	page 3-9



E7475A System Options

Item	Option	Part Number	Description
Software License	100		<ul style="list-style-type: none"> • GSM Phone software license • Software CD • Software License security key • Dual port PCMCIA serial I/O card
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
	110		<ul style="list-style-type: none"> • GSM Receiver software license • Software CD • Software License security key
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
	120		<ul style="list-style-type: none"> • GSM Receiver and Phone software license • Software CD • Software License security key • Dual port PCMCIA serial I/O card
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
	130		<ul style="list-style-type: none"> • GSM Scan Test Mobile software license • Software CD • Software License security key
	150 ^a		<ul style="list-style-type: none"> • GSM Multiple Phone software license • Software License security key • Dual port PCMCIA serial I/O card
160		<ul style="list-style-type: none"> • Real-Time Mapping software license • Software CD • Software License security key 	
180 ^b		<ul style="list-style-type: none"> • Indoor Measurement software license • Software CD • Software License security key 	
	E7474-90010	<ul style="list-style-type: none"> • Indoor Getting Started Guide 	

a. Option 150 may be purchased as an upgrade software license with options 100 or 120, or it may be purchased separately. For more information on transferring licenses between security keys, refer to the License Manager online help.

b. Enables indoor measurement correlation to an imported floorplan/map in the absence of GPS. Indoor option must operate with other, 100-series, measurement software options in order to collect and record measurement data. Supports *.tab, *.gif, *.tif formats for floorplan import.



E7475A System Options

Item	Option	Part Number	Description
Receivers	300		GSM 900 Digital (E6451A) Receiver (880-915 MHz and 925-960 MHz)
		0950-2679	AC/DC Power supply for receiver
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		E7471-60009	Magnetic Mount GSM 900 RF Antenna
	86154-60033	Vehicle Mounting Kit	
	305		GSM-R Digital (E6451A H03) Receiver (876-915 MHz and 921-960 MHz)
		0950-2679	AC/DC Power supply for receiver
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
E7471-60009		Magnetic Mount GSM 900 RF Antenna	
86154-60033	Vehicle Mounting Kit		



E7475A System Options

Item	Option	Part Number	Description
Receivers (continued)	310		GSM 900 Digital (E6451A) Receiver (880-915 MHz and 925-960 MHz)
		0950-2679	AC/DC Power Supply for receiver
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
		E7471-60009	Magnetic Mount GSM 900 RF Antenna
	320		DCS 1800 Digital (E6453A) Receiver (1710-1785 MHz and 1805-1880 MHz)
		0950-2679	AC/DC Power Supply for receiver
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
		E7475-60006	Magnetic Mount DCS 1800 RF Antenna



E7475A System Options

Item	Option	Part Number	Description
Receivers (continued)	330		DCS 1800 Digital (E6453A) Receiver (1710 -1785 MHz and 1805 -1880 MHz)with Internal GPS
		0950-2679	AC/DC Power Supply for receiver
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
		E7475-60006	Magnetic Mount DCS 1800 RF Antenna
	340		GSM 1900 Digital (E6454A) Receiver (1850-1910 MHz and 1930-1990 MHz)
		0950-2679	AC /DC Power supply for receiver
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
		E7475-60007	Magnetic Mount GSM 1900 RF Antenna



E7475A System Options

Item	Option	Part Number	Description
Receivers (continued)	350		GSM 1900 Digital (E6454A) Receiver (1850-1910 MHz and 1930-1990 MHz) with internal GPS
		0950-2679	AC /DC Power supply for receiver
		1150-2085	Magnetic Mount GPS Antenna for Internal GPS
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
		E7475-60007	Magnetic Mount GSM 1900 RF Antenna

Item	Option	Description	
Phones	500	GSM 900 Sagem test mobile phone	Sagem OT-55G
All phone options include a standard and extended battery, interface data cable ^a , and an AC/DC charger.	510	DCS 1800 Sagem test mobile phone	Sagem OT-55D
	520	GSM 1900 Sagem test mobile phone	Sagem OT-55P
	530	GSM 900/DCS 1800 Dual Band Sagem test mobile phone	Sagem OT-75M

a. Standard interface data cable - E7471-62005, Power interface data cable - E7475-62010

E7475A System Options

In order that the correct power supplies and mains cables are supplied with your system, it is necessary to have the correct power localization. The localization options listed below only change the power cord and charger types supplied. They do not affect the software or manual language, which is U.S. English.

Item	Option	Description	
Power Localization	ARM	Argentina - English	
	ARS	Asia Pacific (UK Cord) / English	
	ABG	Australia - English	
	A1X	Chile - English	
	AKM	China - English	
	ACE	Denmark - English	
	ABB	Europe - English	
	AKJ	Israel - English	
	ACQ	S. Africa - English	
	ACD	Switzerland - English	
	AKL	Thailand	
	ABA	U.S. - English	
	ABU	United Kingdom - English	



E7475A System Options



E7490A System Options

System Options

Part Numbers

System Accessories



E7490A System Options

For details on the measurement capabilities and setting up your system, refer to the *Getting Started Guide* shipped with your system. Contact your local Agilent sales and service office for information about ordering these options.

Option	Description	More Details On Page
101	CDMA Phone Mobile Station Test (MOST) software license	page 4-3
111	CDMA Code Domain and Spectrum Mask software license	page 4-3
300	Cellular Band Receiver (824-849 MHz and 869-894 MHz)	page 4-3
310	Cellular Band Receiver (824-849 MHz and 869-894 MHz) with internal GPS	page 4-3
320	PCS Band Receiver (1850-1910 MHz and 1930-1990 MHz)	page 4-4
330	PCS Band Receiver (1850-1910 MHz and 1930-1990 MHz) with internal GPS	page 4-4
380	J-CDMA Band Receiver (832-870 MHz and 887-925 MHz)	page 4-5
381	J-CDMA Band Receiver (832-870 MHz and 887-925 MHz) with internal GPS	page 4-5
390	Korean PCS Band Receiver (1710-1785 MHz and 1805-1880 MHz)	page 4-6
391	Korean PCS Band Receiver (1710-1785 MHz and 1805-1880 MHz) with internal GPS	page 4-6



E7490A System Options

Item	Option	Part Number	Description
Software License	101		<ul style="list-style-type: none"> • CDMA Phone Mobile Station Test (MOST) software license • Software CD • Software License security key • Single Port I/O Card or Dual Port I/O Card
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
	111		<ul style="list-style-type: none"> • CDMA Code Domain and Spectrum Mask software license • Software CD • Software License security key
		E7474-90009	<ul style="list-style-type: none"> • Getting Started Guide
Receivers	300		Cellular Band (E6452A) Receiver (824-849 MHz and 869-894 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		1150-2061	Magnetic Mount Cellular Band Antenna
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
	86154-60033	Vehicle Mounting Kit	
	310		Cellular Band (E6452A) Receiver (824-849 MHz and 869-894 MHz) with internal GPS
		0950-2679	AC/DC Power Supply for Receiver
		1150-2061	Magnetic Mount Cellular Band Antenna
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		1200-1897	Antenna Adapter Connector (N Type to TNC)
5182-4794		Receiver RS-232 9-pin to 9-pin Cable	



E7490A System Options

Item	Option	Part Number	Description
Receivers (continued)		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
	320		PCS Band (E6450B) receiver (1850-1910 MHz and 1930-1990 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		E7475-60007	Magnetic Mount PCS Band Antenna
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
	330		PCS Band (E6450B) receiver (1850-1910 MHz and 1930-1990 MHz) with internal GPS
		0950-2679	AC/DC Power Supply for Receiver
		E7475-60007	Magnetic Mount PCS Band Antenna
		1150-2085	Magnetic Mount GPS antenna for internal GPS
		1200-1897	Antenna Adapter Connector (N Type to TNC)
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in- short)
		86154-60033	Vehicle Mounting Kit



E7490A System Options

Item	Option	Part Number	Description
Receivers (continued)	380		J-CDMA Band (E6452A-H02) Receiver (832-870 MHz and 887-925 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80005	Magnetic Mount 900 MHz Band Antenna Assembly
		5182-4794	Receiver RS-232 9-pin to 9-pin cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		86154-60033	Vehicle Mounting Kit
	381		J-CDMA Band (E6452A-H02) Receiver (832-870 MHz and 887-925 MHz) with internal GPS
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80005	Magnetic Mount 900 MHz Band Antenna Assembly
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
86154-60033	Vehicle Mounting Kit		



E7490A System Options

Item	Option	Part Number	Description
Receivers (continued)	390		Korean-CDMA (E6453A) Receiver (1710-1785 MHz and 1805-1880 MHz)
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80004	Magnetic Mount 1.7-1.9 MHz Band Antenna Assembly
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
		E6450-60010	Cigarette Lighter Power Adapter
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
	86154-60033	Vehicle Mounting Kit	
	391		Korean-CDMA (E6453A) Receiver (1710-1785 MHz and 1805-1880 MHz) with internal GPS
		0950-2679	AC/DC Power Supply for Receiver
		E7450-80004	Magnetic Mount 1.7-1.9 MHz Band Antenna Assembly
		1150-2085	Magnetic Mount GPS Antenna for internal GPS
		5182-4794	Receiver RS-232 9-pin to 9-pin Cable
		E6450-60007	Firmware Write Enable Key
E6450-60010		Cigarette Lighter Power Adapter	
E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)		
86154-60033	Vehicle Mounting Kit		



86154A, 86153A System Accessories



Accessories

The following options are offered by Agilent Technologies. By following the general setup and specifications, you can build your own system according to your needs, based on the standard system. The system can be integrated with a GPS receiver and mapping software. The digital receiver is not intended for stand-alone usage and does not function unless properly connected to one of the Agilent Wireless Solutions Systems.

NOTE

To order any of the following options and accessories, specify model number 86154A and the option number, unless otherwise stated.

Agilent Order Number	Option	Systems Applicable to	Description	More Details On Page
86153A			Retrofit internal GPS to Digital Receiver	page 5-9
86154A	010		Laptop PC Omnibook 4150 series model	page 5-5
86154A	020		Extra dual port ruggedized PCMCIA serial I/O card	page 5-5
86154A	030		Fujitsu Pen Tablet PC	page 5-6
86154A	032		Standard Pen Tablet PC Accessories	page 5-6
86154A	034		Pen Tablet PC Battery Kit	page 5-6
86154A	036		Universal Serial Bus (USB) 4 port adapter	page 5-6
86154A	099		Multi-Receiver Connection Kit	page 5-5
86154A	210		Trimble Placer 455-DR GPS Receiver	page 5-4
86154A	211		Adapter Cable for use with a Trimble Placer GPS/DR Receiver	page 5-4
86154A	212		Adapter Box for use with Trimble Placer GPS 455 Receiver	page 5-4
86154A	230		Differential GPS Receiver Kit	page 5-4



86154A, 86153A System Accessories
Accessories

Agilent Order Number	Option	Systems Applicable to	Description	More Details On Page
86154A	410	CDMA & TDMA	Magnetic Mount PCS Band Antenna	page 5-7
86154A	425		Multiband Antenna	page 5-7
86154A	430	CDMA & TDMA	Magnetic Mount Cellular Band Antenna	page 5-7
86154A	500		Receiver Power Kit	page 5-7
86154A	510		Vehicle Mounting Kit	page 5-7
86154A	507		Indoor Backpack	page 5-7
86154A	531		Briefcase Carrier	page 5-7
86154A	710	CDMA only	Interconnect Cable for QCP-800, QCP-1900, Sony CM-D500, Sony CM-D600 phones	page 5-8
86154A	711	CDMA only	Interconnect cable for QCP 2700, QCP 820, QCP-1920, Sony CM-M1300, Sony CM-B1201SPR, and Sony CM-S1101STR phones	page 5-8
86154A	712	CDMA only	Interconnect cable for the Samsung SCH-1000 phone	page 5-8
86154A	713	CDMA only	Powered interface cable for QCP-800, QCP-1900, Sony CM-D500, Sony CM-D600 phones	page 5-8
86154A	714	CDMA only	Powered interface cable for QCP 2700, QCP 820, QCP-1920, Sony CM-M1300, Sony CM-B1201SPR, and Sony CM-S1101STR phones	page 5-8
86154A	715	CDMA only	Interface cable for Toshiba CD-10T J-CDMA Phone	page 5-8
86154A	716	CDMA only	Powered interface cable for Toshiba CD-10T J-CDMA Phone	page 5-8
86154A	717	CDMA only	Interconnect cable for QCP 2760, QCP 860, QCP-1960 Phones	page 5-8
86154A	718	CDMA only	Powered interface cable for QCP 2760, QCP 860, QCP-1960 Phones	page 5-8
86154A	730	TDMA only	Interface cable for Motorola StarTAC TDMA Phone	page 5-8
86154A	731	TDMA only	Powered interface cable for Motorola StarTAC TDMA Phone	page 5-8
86154A	ABA to ARS		Country specific power localization	page 5-10



Accessories

Item	Option	Part Number	Description	
External GPS Receivers	210		Trimble Placer 455-DR GPS Receiver ^a with:	
		E6450-80002	Magnetic Mount GPS Antenna for Trimble Placer	
		8120-8650	Interconnect Cable (3) RS-232 DB9-M to DB9-F	
		5182-1290	GPS Cigarette Lighter Power Adapter	
		E7450-60005	Adapter Box Trimble Placer Receiver	
			Documentation (supplied) and software to calibrate the gyroscope and odometer is available on the Web at http://www.trimble.com	
	211			GPS/DR Receiver Adapter Cable
		E7450-60003		Adapter Cable
	212	E7471-60007		Adapter Box for GPS/DR 455 Receiver with:
		E7450-60005		Adapter Box
		8120-8650		Interconnect Cables (3) RS-232 DB9-M to DB9-F
	230	1150-5057		Differential GPS Receiver, RDS 3000 manufactured by DCI (Differential Corrections, Inc.). Includes utilities disk and Installation and Operator's Manual and:
		0960-0979		FM Antenna
		8120-8650		Serial Cable DB9-M to DB9-F
		5182-4794		Interconnect Cable
			RS-232 DB9-F to DB9-F	

a. The Trimble Placer GPS 455 provides Dead Reckoning for use when the GPS signal cannot be received.



Accessories

Item	Option	Part Number	Description
Laptop PC	010	E7450-60014	Laptop PC with a minimum specification of: Pentium II Processor Windows 95/98 (loaded) 64 Mbytes RAM 6 Gbytes Hard Disc 24 x CD-ROM Enhanced lithium ion battery pack Auto power adapter 14.1 inch XGA TFT display

Item	Option	Part Number	Description
Miscellaneous Accessories	020		Dual Port Ruggedized PCMCIA Serial I/O Card
		E7471-80004	Socket dual port ruggedized serial I/O card connects to two phones to the computer through the PCMCIA slot. Connecting four phones requires two PCMCIA slots on the computer and two dual port ruggedized serial I/O cards.
	099		Receiver Interconnect Cable Kit
		E7450-60001	15-pin Interconnection Cable 380mm (15in) (short)
		E7450-60002	15-pin Interconnection Cable 635mm (24in) (long)

Accessories

Item	Option	Part Number	Description
Fujitsu Pen Tablet PC	030	86154-60007	Pen Computer Kit including Pen Tablet PC Stylistic 2300 ^a with a 1 year warranty and the following minimum specification and parts: Pentium II Processor 4 Gbytes Hard Drive 64 Mbytes RAM Windows 98 (loaded)
		86154-60012	External 3.5" Floppy Disc Drive
		86154-90009	Pen Tablet Stylus
		86154-60008	AC Adapter
		E7474-90010	Pen Tablet Getting Started Guide
		86154-60055	Travel Case
		86154-60009	In Service Case
		86154-60056	Harness for Service Case
		86154-60054	Hands Free Platform
		86154-60015	PCMCIA LAN Card
	032	86154-60016	Car Auto Power System (12-24 VDC input)
	034		Pen Tablet PC Battery Kit, consisting of:
		86154-60010	Lithium Ion Battery Pack (spare)
		86154-60011	External Battery Charger
		86154-60008	AC Adapter
	036	86154-60004	Universal Serial Bus (USB) 4 Port Adapter kit
		86154-60021	4 Port USB Hub
		8121-0136	Extension Cable

a. More information on the Stylistic 2300 pen computer can be found on the Fujitsu web site, <http://www.fpsi.fujitsu.com/product/st2300.htm>



Accessories

Item	Option	Part Number	Description
Antennas	410	1150-5059	Magnetic Mount PCS Band Antenna
	425	86154-60047	Multiband Antenna Kit
		86154-60059	PCS/Cellular Antenna (green)
		86154-60058	GSM/DCS Antenna (orange)
		E6450-00013	Ground Plane
		E6450-60057	Cable: Antenna to Receiver
		1250-1753	F SMA Connector
430	1150-2061	Magnetic Mount Cellular Band Antenna	
Item	Option	Part Number	Description
Portable Accessories	500	86154-60005	Receiver Power Kit
		86154-60051	Receiver Battery and Cable
		86154-60019	Receiver Battery Charger
	507	86154-60006	Indoor Backpack and Accessories
		86154-60020	Indoor System Backpack
		86154-60057	Phone Pouch
		E7474-90010	Pen Computer Getting Started Guide
		E7474-90024	Back Pack Packing Information Sheet
	510	86154-60033	Vehicle Mounting Kit
			Mounting Screws
Mounting Bracket			
531	86154-60034	System Carrying Case. System is not intended to be operated inside the case.	
	E7471-60011	Briefcase Carrier. 175mm H x 485mm W x 395mm D (7 in H x 19 in W x 16 in D)	

Accessories**CDMA**

Item	Option	Part Number	Description
Phone Parts	710	E6450-60029	Interconnect Cable for QCP-800, QCP- 1900, Sony CM-D500, Sony CM-D600 phones
	711	E6450-60030	Interconnect Cable for QCP 2700, QCP 820, QCP-1920, Sony CM-M1300, Sony CM-B1201SPR, and Sony CM-S1101STR phones
	712	8120-8754	Interconnect Cable for the Samsung SCH-1000 phone
	713	E6450-60034	Powered Interface Cable for QCP-800, QCP-1900, Sony CM-D500, Sony CM-D600 phones
	714	E6450-60033	Powered Interface Cable for QCP 2700, QCP 820, QCP-1920, Sony CM-M1300, Sony CM-B1201SPR, and Sony CM-S1101STR phones
	715	E7452-60003	Interface Cable for Toshiba CD-10T J-CDMA Phone
	716	E7474-60008	Powered interface cable kit for Toshiba CD-10T J-CDMA Phone
	717	E7474-60023	Cable Kit for QCP-860, 1960, 2760 Phones
	718	E7474-60031	Powered Cable Kit for QCP-860, 1960, 2760 Phones

TDMA

Item	Option	Part Number	Description
Phone Parts ^a	730	E7474-60004	Interface cable for Motorola StarTAC TDMA Phone
	731	E7474-60006	Powered interface cable for Motorola StarTAC TDMA Phone.

a. These interface cables connect the Motorola StarTAC TDMA phone to the E7474A TDMA drive test system. This cable is unique to Agilent. In multiple phone system configurations, one cable is required for each phone.



Accessories

86153A Retrofit
Option

It is possible to have an internal GPS receiver retrofitted to your Agilent digital receiver. These are ordered using the **86153A** Internal GPS retrofit products. You will need to return your receiver to the [address](#) shown below to have the retrofit carried out.

The internal GPS retrofit includes:

Magnetic Mount GPS Antenna for internal GPS (Part Number: 1150-2085)

The process for obtaining an internal GPS retrofit is as follows:











- Order the **86153A** upgrade.
- Include the **serial and model number** of your existing digital receiver on the order to ensure that the retrofit is performed on the correct receiver.
- Ship your digital receiver to:

Agilent Technologies
1212 Valley House Drive
Rohnert Park, CA 94928
Attn: Factory Repair

For more information on packing and sending the receiver, refer to “Returning the Instrument for Service” in Chapter 5 of the *Getting Started Guide*.

Accessories

In order that the correct power supplies and mains cables are supplied with your system, it is necessary to have the correct power localization. The localization options listed below only change the power cord and charger types supplied. They do not affect the software or manual language, which is U.S. English.

Item	Option	Description	
Power Localization	ARM	Argentina - English	
	ARS	Asia Pacific (UK Cord) / English	
	ABG	Australia - English	
	AKM	China - English	
	ACE	Denmark - English	
	ABB	Europe - English	
	AKJ	Israel - English	
	ACD	Switzerland - English	
	AKL	Thailand	
	ABA	U.S. - English	
	ABU	United Kingdom - English	



System Part Number Summary



Part Number Summary

The following list summarizes the part numbers that can be ordered from Agilent Technologies.

NOTE

When ordering parts from Agilent Technologies, it is recommended that you **order using the system option numbers**

CDMA Systems, see [page 1-2](#).

TDMA Systems, see [page 2-2](#).

GSM Systems, see [page 3-2](#).

Over Air Systems see [page 4-2](#).

Accessories see [page 5-2](#)

However, if you have a need for a specific part, the following numbers can be used.

For more information on ordering parts or options, contact your local Agilent Technologies sales and service office.

Description		Part Number
Documentation	Getting Started Guide	E7474-90009
	Indoor Getting Started Guide	E7474-90010
	Options and Accessories Guide (This Guide)	Supplied on CD
Receiver	AC/DC Power Supply for receiver	0950-2679
	Magnetic Mount Cellular Band Antenna	1150-2061
	Bulkhead Mount Mini GPS Antenna for internal GPS (obsolete) – SMA	1150-2086
	Magnetic Mount Mini GPS Antenna for internal GPS – SMA	1150-2085



System Part Number Summary

Part Number Summary

Description	Part Number	
Receiver (continued)	Magnetic Mount Mini GPS Antenna for internal GPS (Obsolete) – SMB	E6450-80002
	Bulkhead Magnetic Mount Mini GPS Antenna for internal GPS – SMB	1150-5061
	Magnetic Mount PCS Band Antenna	E7475-60007
	Antenna Adapter Connector (N Type to TNC)	1200-1897
	Firmware Write Enable Key	E6450-60007
	Cigarette Lighter Power Adapter	E6450-60010
	2 AMP, 32 V, FB fuse for Cigarette Power Adapter	2110-0002
	15-pin Interconnection Cable 380mm (15in) (short)	5182-4794
	15-pin Interconnection Cable 635mm (24in) (long)	E7450-60002
	Magnetic Mount 1.7-1.9 GHz Band Antenna	E7450-80004
	Magnetic Mount 900 MHz Band Antenna	E7450-80005
	Magnetic Mount GSM 900 RF Antenna	E7471-60009
	Vehicle Mounting Kit	86154-60033
	Universal Adapter (TNC) for RF Antenna	1200-1897
	Magnetic Mount DCS 1800 RF Antenna	E7475-60006
	Magnetic Mount GSM/PCS 1900 RF Antenna	E7475-60007
	Universal Adapter for RF Antenna	E7475-80005
External GPS	Bulkhead Mount GPS antenna for Trimble Placer (Obsolete)	1150-5061
	Trimble Placer 455 GPS Receiver	1150-5058
	GPS Cigarette Lighter Power Adapter	5182-1290
	Interconnect Cable RS-232 DB9-M to DB9-F	8120-8650
	Magnetic Mount Mini GPS Antenna for internal GPS	E6450-80002
	Adapter Cable for use with a Trimble Placer GPS/DR Receiver	E7450-60003



System Part Number Summary

Part Number Summary

Description	Part Number
External GPS (continued)	Adapter Box for use with Trimble Placer GPS 455 Receiver E7450-60005 Adapter Box and RS-232 Interconnect Cables (quantity 3) E7471-60007
Differential GPS	FM Antenna 0960-0979 Differential GPS Receiver, RDS 3000 manufactured by DCI (Differential Corrections, Inc.). Includes utilities disk and Installation and Operator's Manual. 1150-5057 Interconnect Cable RS-232 DB9-F to DB9-F 5182-4794
Phone Parts	Interconnect Cable for QCP 2700, QCP 820, QCP-1920, Sony CM-M1300, Sony CM-B1201SPR, and Sony CM-S1101STR phones E6450-60029 Interconnect Cable for QCP-800, QCP-1900, Sony CM-D500, Sony CM-D600 phones E6450-60030 Interconnect Cable for the Samsung SCH-1000 phone 8120-8754 Powered Interface Cable for QCP-800, QCP-1900, Sony CM-D500, Sony CM-D600 phones E6450-60034 Powered Interface Cable for QCP 2700, QCP 820, QCP-1920, Sony CM-M1300, Sony CM-B1201SPR, and Sony CM-S1101STR phones E6450-60033 Interface Cable for Toshiba CD-10T J-CDMA Phone E7452-60003 Powered Interface Cable for Toshiba CD-10T J-CDMA Phone E7474-60008 GSM Phone Data Cable E7471-62005 Interface Cable for Motorola StarTAC TDMA Phone E7474-60004 Powered Interface Cable for Motorola StarTAC TDMA Phone E7474-60006 Power Interface Cable for Sagem Test Mobile E7475-62010 Interface Cable for QCP-860, 1960, 2760 Phones E7474-60023 Powered Interface Cable for QCP-860, 1960, 2760 Phones E7474-60031
Accessories	Extra Dual Port Ruggedized PCMCIA Serial I/O Card 1150-2067



Part Number Summary

Description		Part Number
Accessories (continued)	Dual Port PCMCIA Serial I/O Card	E7471-80004
	Single Port PCMCIA Serial I/O Card	0960-0992
	Auto Power Adapter	86154-85001
	Blank Software License Security Key	E7474-10007

Table 6-1 RF connectors and antennas

System	Options	Receiver Type	RF Connector Adapter	RF Antenna Part Number
E7473A, E7490A	300, 310	Cellular Band	1200-1897	1150-2061
	320, 330	PCS Band GPS	1200-1897	E7475-60007
	380, 381	J-CDMA Band	NA	E7450-80005
	390, 391	Korean Band	NA	E7450-80004
E7474A	300, 310	Cellular Band	1200-1897	1150-2061
	320, 330	PCS Band	1200-1897	E7475-60007
E7475A	300, 310	GSM900 Band	E7475-80005	E7471-80001
	305	GSM-R Band	E7475-80005	E7471-80001
	320, 330	DCS1800 Band	E7475-80005	E7471-80001
	340, 350	GSM1900 Band	1200-1897	E7475-60007

For system E7475A Options 300, 305, 310, 320, and 330 (GSM 900, GSM-R, and DCS 1800), the connection of the RF antenna to the receiver is made using one type of connection adapter. For E7475A Option 340 and 350 (GSM 1900) the connection is made using only the 1200-1897 connection adapter. The following diagram illustrates the connector types.

System Part Number Summary
Part Number Summary

