



Agilent MXG Signal Generators

N5161A MXG ATE Analog

N5162A MXG ATE Vector

N5181A MXG Analog

N5182A MXG Vector

Configuration Guide



This guide is to assist in the ordering process for the MXG analog and vector signal generators.



Agilent Technologies

Agilent N5161A MXG ATE and N5181A MXG analog configuration steps

Step 1. Choose model number

Model	Description
N5161A	MXG ATE analog signal generator The MXG ATE signal generator has been streamlined for automated test equipment (ATE) needs with removal of the front panel display and all connectors relocated to the rear panel for convenient and secure rack configurations. Otherwise, these signal generators provide the same industry-leading capabilities, performance, and form factor of the N5181A MXG analog signal generator.
N5181A	MXG analog signal generator

Step 2. Choose one frequency option (required)

Option	Description	Not compatible	Upgrade
501	Frequency range from 100 kHz to 1 GHz	503,506,N5161A	No
503	Frequency range from 100 kHz to 3 GHz	501,506	No
506	Frequency range from 100 kHz to 6 GHz	503,506	No

Step 3. Choose performance enhancement options

Option	Description	Not compatible	Upgrade
UNZ	Fast switching		Yes ²
UNT	AM, FM, phase modulation		Yes ²
UNU	Pulse modulation	UNW	Yes ²
1EQ	Low power (< -110 dBm)		Yes ²
006	Instrument security		Yes
UNW	Narrow pulse modulation	UNU	Yes ²
1EA	High output power		Yes ²
099 ¹	Expanded license key upgradeability Option 099 is recommended for anyone considering future upgrades. Option 099 simplifies the upgrade process by enabling upgrades via a license key for Options 1EA, 1EQ, UNU, UNW, UNT and UNZ.		Yes ¹

Step 4. Choose input/output options

Option	Description	Not compatible	Upgrade
1EM	Move all connectors to rear panel	N5161A	No
1ER	Flexible reference input (1 to 50 MHz)		Yes

1. Option 099 is recommended for anyone considering future upgrades. Option 099 simplifies the upgrade process by enabling upgrades via a license key for Options 1EA, 1EQ, UNU, UNW, UNT, and UNZ. Without Option 099, upgrades for these options require purchase and installation of a field retrofit kit. For more information, visit www.agilent.com/find/SSupgrades.

2. Upgrade requires Option 099.

Step 5. Choose accessories and documentation options

Option	Description	Not compatible	Upgrade
1CM	Rackmount kit	1CN, 1CP, 1CR	Yes
1CN	Front handle kit	1CM, 1CP	Yes
1CP	Rackmount kit with front handles	1CM, 1CN, 1CR	Yes
1CR	Rack slide kit	1CM, 1CP	Yes
CD1	CD-ROM containing the English documentation set, including user's guide, installation guide, programming guide, service guide, SCPI command reference, error messages, programming examples, and data sheets. In addition, Korean, Chinese, Japanese and Russian localized users's guide.		Yes
ABA	Printed copy of the English documentation set		Yes
AB1	Printed copy of user's guide – Korean localization		Yes
AB2	Printed copy of user's guide – Chinese localization		Yes
ABJ	Printed copy of user's guide – Japanese localization		Yes
AKT	Printed copy of user's guide – Russian localization		Yes
OBW	Service documentation, assembly level		Yes
AXT	Hard transit case		Yes
800	Customer service kit front panel connector configuration	N5161A	Yes
801	Customer service kit rear panel connector configuration		Yes

Step 6. Choose warranty and calibration options

Option	Description	Additional information
R-51B-001-3C	1 year Return-to-Agilent warranty extended to 3 years	
R-51B-001-5C	1 year Return-to-Agilent warranty extended to 5 years	
R-50C-011-3	Return-to-Agilent Calibration Upfront Support Plan 3 year coverage	
R-50C-016-3	Return-to-Agilent 17025 Calibration Upfront Support Plan	Must also order R1295A for service center installation
R-50C-021-3	Return-to-Agilent Z540 Calibration Upfront Support Plan 3 year coverage	Must also order R1295A for service center installation
R-52A-001-3	3 year license Agilent Commercial Calibration Software	
R-52A-002-3	3 year license Agilent ISO 17025 and ANSI Z540 Calibration software	
UK6	Commercial calibration certificate with test data	

Step 7. Choose start up assistance service options

Option	Description
PS-S10	Remote scheduled assistance 1- 999 hours
PS-S20	Daily productivity assistance
PS-T10-ASG	Signal generator and source basics; .05 day, max. 8 students on site
PS-X10	Custom services to be qualified by Agilent

Product configuration includes country specific power cord.

Available options and upgrades for the N5161A MXG ATE analog signal generator

Product	Order number	Description	Upgrade contents	Additional requirements	Incompatible with
006	N5161AK-006	Instrument security	Customer installable - software, License key	None	None
099	N5161AK-099	Expanded license key upgradeability	Customer installable - hardware, License key	None	None
1CR	N5161AK-1CR	Rack slide kit	Customer installable - hardware, License key	None	1CM, 1CP
1CM	N5161AK-1CM	Rackmount kit	Customer installable - hardware, License key	None	1CN, 1CP, 1CR
1CN	N5161AK-1CN	Front handle kit	Customer installable - hardware, License key	None	1CM, 1CP
1CP	N5161AK-1CP	Rackmount and front handle kit	Customer installable - hardware, License key	None	1CM, 1CN, 1CR
1EA	N5161AK-1EA	High power	Customer installable - software, License key	099	None
1EQ	N5161AK-1EQ	Low power (< -110 dBm)	Customer installable - software, License key	099	None
1ER	N5161AK-1ER	Flexible reference input (1-50 MHz)	Customer installable - software, License key	None	None
503	Not Upgradeable	Frequency range from 100 kHz to 3 GHz	n/a	n/a	n/a
506	Not Upgradeable	Frequency range from 100 kHz to 6 GHz	n/a	n/a	n/a
ALB	N5161AK-ALB	LXI Class B functionality	Customer installable - software, License key	None	None
UNT	N5161AK-UNT	AM, FM phase modulation	Customer installable - software, License key	099	None
UNU	N5161AK-UNU	Pulse modulation	Customer installable - software, License key	099	N5161A-UNW, N5161AK-UNW
UNW	N5161AK-UNW	Narrow pulse modulation	Customer installable - software, License key	099	None
UNZ	N5161AK-UNZ	Fast switching	Customer installable - software, License key	099	None
AXT	N5161A-AXT	Hard transit case	Hard transit case	None	None
801	N5161AK-801	Customer Service Kit - N5161A rear panel RF connector configuration	Customer installable - hardware, License key	None	None
0BW	N5161AK-0BW	Service documentation, assembly level	Printed copy of the assembly level service guide	None	None
AB1 ¹	N5161A-AB1	Printed copy of MXG family user's guide - Korean localization	Printed copy of MXG family user's guide - Korean localization	None	None
AB2 ¹	N5161A-AB2	Printed copy of MXG family user's guide - Chinese localization	Printed copy of MXG family user's guide - Chinese localization	None	None
ABA	N5161A-ABA	Printed copy of MXG family English documentation set	Printed copy of MXG family English documentation set	None	None
ABJ ¹	N5161A-ABJ	Printed copy of MXG family user's guide - Japanese localization	Printed copy of MXG family user's guide - Japanese localization	None	None
AKT ¹	N5161A-AKT	Printed copy of MXG family user's guide - Russian localization	Printed copy of MXG family user's guide - Russian localization	None	None
CD1	N5161A-CD1	CD-ROM containing the MXG family English documentation set.	CD-ROM containing the MXG family English documentation set.	None	None

N5161A Upgrades

For complete upgrade details, visit:

www.agilent.com/find/SSupgrades

1. Refer to the online MXG family documentation for the most current information.

Available options and upgrades for the N5181A MXG analog signal generator

Product	Order number	Description	Upgrade contents	Additional requirements	Incompatible with
006	N5181AK-006	Instrument security	Customer installable - software, License key	None	None
099	N5181AK-099	Expanded license key upgradeability	Customer installable - hardware, License key	None	None
1CR	N5181A-1CR	Rack slide kit	Customer installable - hardware, License key	None	1CM, 1CP
1CM	N5181A-1CM	Rackmount kit	Customer installable - hardware, License key	None	1CN, 1CP, 1CR
1CN	N5181A-1CN	Front handle kit	Customer installable - hardware, License key	None	1CM, 1CP
1CP	N5181A-1CP	Rackmount and front handle kit	Customer installable - hardware, License key	None	1CM, 1CN, 1CR
1EA	N5181AK-1EA	High power	Customer installable - software, License key	099	None
1EM	Not Upgradeable	n/a	n/a	n/a	n/a
1EQ	N5181AK-1EQ	Low power (< -110 dBm)	Customer installable - software, License key	099	n/a
1ER	N5181AK-1ER	Flexible reference input (1-50 MHz)	Customer installable - software, License key	None	None
501	Not Upgradeable	Frequency range from 250 kHz to 1 GHz	Customer installable - software, License key	n/a	None
503	Not Upgradeable	Frequency range from 250 kHz to 3 GHz	n/a	n/a	None
506	Not Upgradeable	Frequency range from 250 kHz to 6 GHz	n/a	n/a	None
ALB	N5181AK-ALB	LXI Class B functionality	Customer installable - software, License key	None	None
UNT	N5181AK-UNT	AM, FM phase modulation	Customer installable - software, License key	099	None
UNU	N5181AK-UNU	Pulse modulation	Customer installable - software, License key	099	None
UNW	N5181AK-UNW	Narrow pulse modulation	Customer installable - software, License key	099	None
AXT	N5181A-AXT	Hard transit case	Hard transit case	None	None
UNZ	N5181AK-UNZ	Fast switching	Customer installable - software, License key	099	None
800	N5181AK-800	Customer Service Kit - N5181A front panel RF connector configuration	Customer installable - hardware, License key	None	None
801	N5181AK-801	Customer Service Kit - N5181A rear panel RF connector configuration	Customer installable - hardware, License key	None	None
0BW	N5181AK-0BW	Service documentation, assembly level	Printed copy of the assembly level service guide	None	None
AB1 ¹	N5181A-AB1	Printed copy of MXG family user's guide - Korean localization	Printed copy of MXG family user's guide - Korean localization	None	None
AB2 ¹	N5181A-AB2	Printed copy of MXG family user's guide - Chinese localization	Printed copy of MXG family user's guide - Chinese localization	None	None
ABA	N5181A-ABA	Printed copy of MXG family English documentation set	Printed copy of MXG family English documentation set	None	None
ABJ ¹	N5181A-ABJ	Printed copy of MXG family user's guide - Japanese localization	Printed copy of MXG family user's guide - Japanese localization	None	None
AKT ¹	N5181A-AKT	Printed copy of MXG family user's guide - Russian localization	Printed copy of MXG family user's guide - Russian localization	None	None
CD1	N5181A-CD1	CD-ROM containing the MXG family English documentation set.	CD-ROM containing the MXG family English documentation set.	None	None

N5181A Upgrades

For complete upgrade details, visit:
www.agilent.com/find/SSupgrades

1. Refer to the online MXG family documentation for the most current information.

Agilent N5162A MXG ATE and N5182A MXG vector configuration steps

Step 1. Choose model

Model	Description
N5162A	MXG ATE vector The MXG ATE signal generator has been streamlined for automated test equipment (ATE) needs with removal of the front panel display and all connectors relocated to the rear panel for convenient and secure rack configurations. Otherwise, these signal generators provide the same industry-leading capabilities, performance, and form factor of the N5182A MXG vector signal generator.
N5182A	MXG vector signal generator

Step 2. Choose one frequency option (required)

Option	Description	Requires	Not compatible	Upgrade
503	Frequency range from 100 kHz to 3 GHz		506	No
506	Frequency range from 100 kHz to 6 GHz		503	No

Step 3. Choose performance enhancement options

Option	Description	Requires	Not compatible	Upgrade
UNZ	Fast switching			Yes ²
UNT	AM, FM, phase modulation			Yes ²
UNU	Pulse modulation		UNW	Yes ²
UNW	Narrow pulse modulation		UNU	Yes ²
UNV	Enhanced dynamic range	651, 652, or 654		Yes ²
1EQ	Low power (< -110 dBm)			Yes ²
006	Instrument security			Yes
1EA	High output power			Yes ²
099	Expanded license key upgradeability Option 099 is recommended for anyone considering future upgrades. Option 099 simplifies the upgrade process by enabling upgrades via a license key for Options 1EA, 1EQ, UNU, UNW, UNT and UNZ.			Yes ¹
012	LO In/Out for phase coherency			Yes

Step 4. Choose baseband generator options

Option	Description	Requires	Not compatible	Upgrade
651	Internal baseband generator (30 MSa/s, 8 MSa)		652, 654	Yes
652	Internal baseband generator (60 MSa/s, 8 MSa)		651, 654	Yes
654	Internal baseband generator (125 MSa/s, 8 MSa)		651, 652	Yes
019	Upgrade baseband generator memory to 64 MSa	651, 652, or 654		Yes

1. Option 099 enables future upgrades via a license key for Options 1EA, 1EQ, UNU, UNW, UNT, UNV, and UNZ. Without Option 099, upgrades for these options require the installation of a field retrofit kit which installs Option 099. For more information, visit www.agilent.com/find/SSupgrades.

2. Upgrade requires Option 099.

Step 5. Choose signal studio and embedded software

When ordering signal creation software, please refer to each product's technical overview for detailed required and recommended configurations. Available in the online documentation from www.agilent.com/find/signalstudio.

Order item	Description	Requires	Recommended	Upgrade
N5182A 221 - 229	Waveform License 5-packs 1 to 9 (purchase up to 9 packs for 45 Signal Studio waveforms)	651, 652, or 654	654	Yes
N5182A 250 - 259	Waveform License 50-packs 1 to 10 (purchase up to 10 packs for 500 Signal Studio waveforms)	651, 652, or 654	654	Yes
403	Calibrated AWGN	651, 652, or 654	651	Yes
430	Multitone and two-tone	651, 652, or 654	651	Yes
431	Custom digital modulation	651, 652, or 654	654	Yes
432	Phase noise impairments	651, 652, or 654	651	Yes
N7600B*	Signal Studio for 3GPP W-CDMA FDD	651, 652, or 654	652, 503, 019, UNV	Yes
N7601B*	Signal Studio for 3GPP2 CDMA	651, 652, or 654	651, 503, 019, 403, 1EL, UNV	Yes
N7602B *	Signal Studio for GSM/EDGE	651, 652, 654	654, 503, 1EL, 1ER, UNV, UNZ	Yes
N7606B *	Signal Studio for Bluetooth	651, 652, 654	652, 506, 019, 403, UNV	Yes
N7611B*	Signal Studio for Broadcast Radio	651, 652, or 654	652, 506, 019, 403, UNV	Yes
N7612B*	Signal Studio for TD-SCDMA	651, 652, or 654	652, 503, 019, 403, UNV	Yes
N7613A	Signal Studio for 802.16-2004 (WiMAX™)	652, or 654	654, 506, 019, 403, UNV	Yes
N7615B*	Signal Studio for 802.16 WIMAX	651, 652, or 654	652, 506, 019, 403, UNV	Yes
N7616B*	Signal Studio for T-DMB	652, or 654	652, 503, 019, 403, UNV	Yes
N7617B*	Signal Studio for 802.11 WLAN	654	654, 506, 019, 403, UNV	Yes
N7621B*	Signal Studio for multitone distortion test	651, 652, or 654	654, 019	Yes
N7622A*	Signal Studio toolkit	651, 652, or 654	651, 019, 1EL, UNV	Yes
N7623B*	Signal Studio for digital video	651, 652, or 654	652, 506, 019, 403, UNV	Yes
N7624B*	Signal Studio for 3GPP LTE	654	654, 506, 019, 403, UNV	Yes
N7625B*	Signal Studio for 3GPP LTE TDD	654	654, 506, 403, UNV, 1EA, 1EL	Yes

* For factory installation of Signal Studio fixed perpetual licenses, Signal Studio model-number must be ordered under the N5162A/N5182A configuration.

Step 6. Choose input/output options

Option	Description	Requires	Not compatible	Upgrade
1EM	Move all connectors to rear panel		N5162A	No
1EL	Differential I/Q outputs			Yes
1ER	Flexible reference input (1-50 MHz)			Yes

Step 7. Choose accessories and documentation options

Option	Description	Not compatible	Upgrade
1CM	Rackmount kit	1CN, 1CP, 1CR	Yes
1CN	Front handle kit	1CM, 1CP	Yes
1CP	Rackmount kit with front handles	1CM, 1CN, 1CR	Yes
1CR	Rack slide kit	1CM, 1CP	Yes
CD1	CD-ROM containing the English documentation set, including user's guide, installation guide, programming guide, service guide, SCPI command reference, error messages, programming examples, and data sheets. In addition, Korean, Chinese, Japanese and Russian localized user's guide.		Yes
ABA	Printed copy of the English documentation set		Yes
AB1	Printed copy of user's guide – Korean localization		Yes
AB2	Printed copy of user's guide – Chinese localization		Yes
ABJ	Printed copy of user's guide – Japanese localization		Yes
AKT	Printed copy of user's guide – Russian localization		Yes
0BW	Service documentation, assembly level		Yes
AXT	Hard transit case		Yes
800	Customer service kit front panel connector configuration	N5162A	Yes
801	Customer service kit rear panel connector configuration		Yes

Step 8. Choose warranty and calibration options

Option	Description	Additional information
R-51B-001-3C	1 year Return-to-Agilent warranty extended to 3 years	
R-51B-001-5C	1 year Return-to-Agilent warranty extended to 5 years	
R-50C-011-3	Return-to-Agilent Calibration Upfront Support Plan 3 year coverage	
R-50C-016-3	Return-to-Agilent 17025 Calibration Upfront Support Plan	Must also order R1295A for service center installation
R-50C-021-3	Return-to-Agilent Z540 Calibration Upfront Support Plan 3 year coverage	Must also order R1295A for service center installation
R-52A-001-3	3 year license Agilent Commercial Calibration Software	
R-52A-002-3	3 year license Agilent ISO 17025 and ANSI Z540 Calibration software	
UK6	Commercial calibration certificate with test data	

Step 9. Choose start up assistance options

Order item	Description
PS-S10	Remote scheduled assistance 1-999 hours
PS-S20	Daily productivity assistance
PS-T10-ASG	Signal generator and source basics; .05 day, max. 8 students on site
PS-X10	Custom services to be qualified by Agilent

Product configuration includes country specific power cord.

Available options and upgrades for the N5162A MXG vector signal generator

Product	Order number	Description	Upgrade contents	Additional requirements	Incompatible with
006	N5162AK-006	Instrument security	Customer installable - software, License key	None	None
012	N5162AK-012	LO in/out for phase coherency	Customer installable - hardware, License key	None	None
019	N5162AK-019	Increase baseband generator memory to 64 MSa	Customer installable - software, License key	651, 652, or 654	None
099	N5162AK-099	Expanded license key upgradability	Customer installable - hardware, License key	None	None
1EA	N5162AK-1EA	High power	Customer installable - software, License key	099	None
1EL	N5162AK-1EL	Differential I/Q outputs	Customer installable - software, License key	651, 652, or 654	None
1EQ	N5162AK-1EQ	Low power (<110 dBm)	Customer installable - software, License key	099	None
1ER	N5162AK-1ER	Flexible reference input (1-50 MHz)	Customer installable - software, License key	None	None
221-229	N5162AK-221	Waveform License 5-Pack	Customer installable - software, License key	None	None
250-259	N5162AK-250	Waveform License 50-Pack	Customer installable - software, License key	None	None
403	N5162AK-403	Calibrated AWGN	Customer installable - software, License key	651, 652, or 654	None
430	N5162AK-430	Multitone and two tone	Customer installable - software, License key	651, 652, or 654	None
431	N5162AK-431	Custom digital modulation	Customer installable - software, License key	651, 652, or 654	None
432	N5162AK-432	Phase noise impairment	Customer installable - software, License key	651, 652, or 654	None
503	Not Upgradeable	Frequency range 100 kHz to 3 GHz	n/a	n/a	n/a
506	Not Upgradeable	Frequency range 100 kHz to 6 GHz	n/a	n/a	n/a
651	N5162AK-651	Internal baseband generator (30 MSa/s, 8 MSa)	Customer installable - software, License key	None	None
652	N5162AK-652	Internal baseband generator (60 MSa/s, 8 MSa)	Customer installable - software, License key	None	None
654	N5162AK-654	Internal baseband generator (125 MSa/s, 8 MSa)	Customer installable - software, License key	None	None
670	N5162AK-670	Upgrade baseband generator from 30 MSa/sec to 60 MSa/sec	Customer installable - software, License key	651	None
671	N5162AK-671	Upgrade baseband generator from 30 MSa/sec to 125 MSa/sec	Customer installable - software, License key	651	None
672	N5162AK-672	Upgrade baseband generator from 60 MSa/sec to 125 MSa/sec	Customer installable - software, License key	652	None
ALB	N5162AK-ALB	LXI Class B functionality	Customer installable - software, License key	None	None
UNT	N5162AK-UNT	AM, FM, phase modulation	Customer installable - software, License key	099	None
UNU	N5162AK-UNU	Pulse modulation	Customer installable - software, License key	099	None
UNW	N5162AK-UNW	Narrow pulse modulation	Customer installable - software, License key	099	None
UNV	N5162AK-UNV	Enhanced dynamic range	Customer installable - software, License key	099	None
UNZ	N5162AK-UNZ	Fast Switching	Customer installable - software, License key	099	None

N5162A Upgrades

For complete upgrade details, visit:
www.agilent.com/find/SSupgrades

0BW	N5162A-0BW	Service documentation, assembly level	Printed copy of the assembly level service guide	None	None
1CR	N5162A-1CR	Rack slide kit	Customer installable - hardware, License key	None	1CM, 1CP
1CM	N5162A-1CM	Rackmount kit	Customer installable - hardware, License key	None	1CN, 1CP, 1CR
1CN	N5162A-1CN	Front handle kit	Customer installable - hardware, License key	None	1CM, 1CP
1CP	N5162A-1CP	Rackmount and front handle kit	Customer installable - hardware, License key	None	1CM, 1CN, 1CR
AB1 ¹	N5162A-AB1	Printed copy of MXG family user's guide - Korean localization	Printed copy of MXG family user's guide - Korean localization	None	None
AB2 ¹	N5162A-AB2	Printed copy of MXG family user's guide - Chinese localization	Printed copy of MXG family user's guide - Chinese localization	None	None
ABA	N5162A-ABA	Printed copy of MXG family English documentation set	Printed copy of MXG family English documentation set	None	None
ABJ ¹	N5162A-ABJ	Printed copy of MXG family user's guide - Japanese localization	Printed copy of MXG family user's guide - Japanese localization	None	None
AKT ¹	N5162A-AKT	Printed copy of MXG family user's guide - Russian localization	Printed copy of MXG family user's guide - Russian localization	None	None
AXT	N5162A-AXT	Hard transit case	Hard transit case	None	None
CD1	N5162A-CD1	CD-ROM containing the English documentation set.	CD-ROM containing the English documentation set.	None	None
801	N5162AK-801	Customer Service Kit - N5162A rear panel RF connector configuration	Customer installable - hardware, License key	None	None
R2C	N5162AK-R2C	Revision to current, core instrument FW enhancements	Customer installable - software, License key	None	None

1. Refer to the online MXG family documentation for the most current information.

Available options and upgrades for the N5162A MXG vector signal generator

Product	Order number	Description	Upgrade contents	Additional requirements	Incompatible with
006	N5182AK-006	Instrument security	Customer installable - software, License key	None	None
012	N5182AK-012	LO in/out for phase coherency	Customer installable - hardware, License key	None	None
019	N5182AK-019	Increase baseband generator memory to 64 MSa	Customer installable - software, License key	651, 652, or 654	None
099	N5182AK-099	Expanded license key upgradability	Customer installable - hardware, License key	None	None
1EA	N5182AK-1EA	High power	Customer installable - software, License key	099	None
1EL	N5182AK-1EL	Differential I/Q outputs	Customer installable - software, License key	651, 652, or 654	None
1EM	Not Upgradeable	Move RF output to rear panel	n/a	n/a	n/a
1EQ	N5182AK-1EQ	Low power (<-110 dBm)	Customer installable - software, License key	099	None
1ER	N5182AK-1ER	Flexible reference input (1-50 MHz)	Customer installable - software, License key	None	None
221-229	N5182AK-221	Waveform License 5-Pack	Customer installable - software, License key	None	None
250-259	N5182AK-250	Waveform License 50-Pack	Customer installable - software, License key	None	None
403	N5182AK-403	Calibrated AWGN	Customer installable - software, License key	651, 652, or 654	None
430	N5182AK-430	Multitone and two tone	Customer installable - software, License key	651, 652, or 654	None
431	N5182AK-431	Custom digital modulation	Customer installable - software, License key	651, 652, or 654	None
432	N5182AK-432	Phase noise impairment	Customer installable - software, License key	651, 652, or 654	None
503	Not Upgradeable	Frequency range 100 kHz to 3 GHz	n/a	n/a	n/a
506	Not Upgradeable	Frequency range 100 kHz to 6 GHz	n/a	n/a	n/a
651	N5182AK-651	Internal baseband generator (30 MSa/s, 8 MSa)	Customer installable - software, License key	None	None
652	N5182AK-652	Internal baseband generator (60 MSa/s, 8 MSa)	Customer installable - software, License key	None	None
654	N5182AK-654	Internal baseband generator (125 MSa/s, 8 MSa)	Customer installable - software, License key	None	None
670	N5182AK-670	Upgrade baseband generator from 30 MSa/sec to 60 MSa/sec	Customer installable - software, License key	651	None
671	N5182AK-671	Upgrade baseband generator from 30 MSa/sec to 125 MSa/sec	Customer installable - software, License key	651	None
672	N5182AK-672	Upgrade baseband generator from 60 MSa/sec to 125 MSa/sec	Customer installable - software, License key	652	None
ALB	N5182AK-ALB	LXI Class B functionality	Customer installable - software, License key	None	None
UNT	N5182AK-UNT	AM, FM, phase modulation	Customer installable - software, License key	099	None
UNU	N5182AK-UNU	Pulse modulation	Customer installable - software, License key	099	N5182A-UNW, N5182AK-UNW
UNW	N5182AK-UNW	Narrow pulse modulation	Customer installable - software, License key	099	None
UNV	N5182AK-UNV	Enhanced dynamic range	Customer installable - software, License key	099	None

N5182A Upgrades

For complete upgrade details, visit:
www.agilent.com/find/SSupgrades

UNZ	N5182AK-UNZ	Fast Switching	Customer installable - software, License key	099	None
0BW	N5182A-0BW	Service documentation, assembly level	Printed copy of the assembly level service guide	None	None
1CM	N5182A-1CM	Rackmount kit	Customer installable - hardware, License key	None	1CN, 1CP, 1CR
1CN	N5182A-1CN	Front handle kit	Customer installable - hardware, License key	None	1CM, 1CP
1CP	N5182A-1CP	Rackmount and front handle kit	Customer installable - hardware, License key	None	1CM, 1CN, 1CR
1CR	N5182A-1CR	Rack slide kit	Customer installable - hardware, License key	None	1CM, 1CP
AB1 ¹	N5182A-AB1	Printed copy of MXG family user's guide - Korean localization	Printed copy of MXG family user's guide - Korean localization	None	None
AB2 ¹	N5182A-AB2	Printed copy of MXG family user's guide - Chinese localization	Printed copy of MXG family user's guide - Chinese localization	None	None
ABA	N5182A-ABA	Printed copy of MXG family English documentation set	Printed copy of MXG family English documentation set	None	None
ABJ ¹	N5182A-ABJ	Printed copy of MXG family user's guide - Japanese localization	Printed copy of MXG family user's guide - Japanese localization	None	None
AKT ¹	N5182A-AKT	Printed copy of MXG family user's guide - Russian localization	Printed copy of MXG family user's guide - Russian localization	None	None
AXT	N5182A-AXT	Hard transit case	Hard transit case	n/a	n/a
CD1	N5182A-CD1	CD-ROM containing the English documentation set.	CD-ROM containing the English documentation set.	None	None
800	N5182AK-800	Customer Service Kit - N5182A front panel RF connector configuration	Customer installable - hardware, License key	None	None
801	N5182AK-801	Customer Service Kit - N5182A rear panel RF connector configuration	Customer installable - hardware, License key	None	None
R2C	N5182AK-R2C	Revision to current, core instrument FW enhancements	Customer installable - software, License key	None	None

1. Refer to the online MXG family documentation for the most current information.

Web resources

For additional product information, visit the Agilent MXG web page: www.agilent.com/find/mxg

For information about renting, leasing or financing test equipment from Agilent, visit: www.agilent.com/find/buyalternatives



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