

Application Bundles

X-Series Signal Analyzers, Signal Generators and PXle Vector Transceiver

Choosing the right options for your signal analyzer, signal generator or PXle vector transceiver based on your application just got easier, and less expensive. Selecting the necessary performance hardware and adding application-specific software gives you faster, more diverse insights at a lower cost.

You can eliminate the need to navigate through which hardware options and software applications to choose by selecting a bundle created by Keysight engineers.

Now, for a limited time, you can purchase signal analyzer, signal generator and PXle vector transceiver bundles with exactly what you need for your application while saving up to 35%



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5G NR FR1

Signal analyzer 5G NR FR1 bundles

Choose either an MXA or PXA paired with the N9085EM0E X-series measurement application for 5G NR analysis at FR1 frequencies.



Option	Description	N9020B-050	N9020B-051	N9030B-050	N9030B-051
513	Frequency range, 13.6 GHz	✓		✓	
526	Frequency range, 26.5 GHz		✓		✓
B1X	Analysis bandwidth, 160 MHz	✓	✓	✓	✓
PFR	Precision frequency reference	✓	✓		
MPB	Microwave preselector bypass	✓	✓	✓	✓
LNP	Low noise path			✓	✓
P13	Preamplifier, 13.6 GHz	✓		✓	
P26	Preamplifier, 26.5 GHz		✓		✓
N9085EM0E 5G NR measurement application		✓	✓	✓	✓

Signal generator 5G NR FR1 bundles

Choose either an EXG or MXG paired with the N7631C PathWave signal generation for 5G NR to create signals at FR1 frequencies.

Option	Description	N5172B-050	N5182B-050
506	Frequency range, 9 kHz to 6 GHz	✓	✓
653	ARB baseband generator (60 MHz RF bandwidth, 32 Msa)	✓	
655	Upgrade baseband generator from 60 to 120 MHz RF bandwidth	✓	
656	ARB baseband generator (80 MHz RF bandwidth, 32 Msa)		✓
657	Upgrade baseband generator from 80 to 160 MHz RF bandwidth	✓	✓
1EA	High output power	✓	✓
UNV	Enhanced dynamic range	✓	✓
099	Expanded license key upgradability	✓	✓
FRQ	Frequency extender connectivity	✓	✓
N7631C PathWave signal generation for 5G NR		✓	✓
N5180403B Calibrated AWGN		✓	✓

5G NR FR2

Signal analyzer 5G NR FR2 bundles

Choose from an MXA, PXA, or UXA paired with the N9085EM0E X-series measurement application for 5G NR analysis at FR2 frequencies.



Option	Description	N9021B-052	N9030B-052	N9040B-052
550	Frequency range, 50 GHz	✓	✓	✓
B5X	Analysis bandwidth, 510 MHz	✓	✓	
H1G	Analysis bandwidth, 1 GHz			✓
PFR	Precision frequency reference	✓		
MPB	Microwave preselector bypass	✓	✓	
LNP	Low noise path		✓	
EP0	Enhanced phase noise DDS LO		✓	
P50	Preamplifier, 50 GHz	✓	✓	✓
N9085EM0E 5G NR measurement application		✓	✓	✓

WLAN WiFi6-6E

Signal analyzer WLAN WiFi6-6E bundles

Choose either an MXA or PXA paired with the N9077EM0E X-series measurement application for WLAN 802.11.



Option	Description	N9020B-060	N9030B-060
513	Frequency range, 13.6 GHz	✓	✓
B1X	Analysis bandwidth, 160 MHz	✓	✓
PFR	Precision frequency reference	✓	
MPB	Microwave preselector bypass	✓	✓
LNP	Low noise path		✓
P13	Preamplifier, 13.6 GHz	✓	✓
N9077EM0E WLAN 802.11a/b/g/j/p/n/af/ah measurement application		✓	✓

Signal generator WLAN WiFi6-6E bundles

Choose either an EXG or MXG paired with the N7617C PathWave signal generation for WLAN 802.11 to create WiFi6 signals.

Option	Description	N5172B-060	N5182B-060
506	Frequency range, 9 kHz to 6 GHz	✓	✓
653	ARB baseband generator (60 MHz RF bandwidth, 32 Msa)	✓	
655	Upgrade baseband generator from 60 to 120 MHz RF bandwidth	✓	
656	ARB baseband generator (80 MHz RF bandwidth, 32 Msa)		✓
657	Upgrade baseband generator from 80 to 160 MHz RF bandwidth	✓	✓
1EA	High output power	✓	✓
UNV	Enhanced dynamic range	✓	✓
099	Expanded license key upgradability	✓	✓
FRQ	Frequency extender connectivity	✓	✓
N7617C PathWave signal generation for WLAN 802.11		✓	✓
N5180403B Calibrated AWGN		✓	✓

Radar

Signal analyzer radar bundles

Choose either an PXA or UXA paired with the N9067EM0E X-series measurement application for pulse analysis.



Option	Description	N9030B-080	N9030B-081	N9040B-080	N9040B-081
526	Frequency range, 2 Hz to 26.5 GHz	✓	✓		
550	Frequency range, 2 Hz to 50 GHz			✓	✓
B5X	Analysis bandwidth, 510 MHz	✓	✓	✓	✓
MPB	Microwave preselector bypass	✓	✓		
P26	Preamplifier, 26.5 GHz	✓	✓		
P50	Preamplifier, 50 GHz			✓	✓
N90x0RT2B real-time analysis		✓		✓	
N90EMDUAB duplex IF RTSA		✓		✓	
N9067EM0E pulse analysis measurement application		✓	✓	✓	✓

Signal generator radar bundles

Choose a PSG paired with N7620B PathWave signal generation for pulse building.

Option	Description	E8267D-080	E8267D-081	E8267D-082	E8267D-083
520	Frequency range, 250 kHz to 20 GHz	✓	✓		
544	Frequency range, 250 kHz to 44 GHz			✓	✓
602	Internal baseband generator	✓	✓	✓	✓
UNW	Narrow pulse modulation	✓	✓		
UNU	Pulse modulation			✓	✓
UNY	Enhanced ultra-low phase noise performance	✓	✓		
UNX	Ultra-low phase noise performance			✓	✓
1EH	Improved harmonics below 2 GHz	✓	✓	✓	✓
UNT	AM, FM, phase modulation, and LF output	✓	✓	✓	✓
N7620B PathWave signal generation for pulse building		✓	✓	✓	✓

Satellite Communications

Signal analyzer satellite communications bundles

Choose a UXA paired with N9054EM0E X-series measurement application for vector modulation analysis to analyze satellite communications signals.



Option	Description	N9040B-090	N9042B-090	N9042B-091
550	Frequency range, 2 Hz to 50 GHz	✓	✓	✓
H52	Frequency range extension to 52 GHz	✓		
H1G	Analysis bandwidth, 1 GHz	✓		
R20	Analysis bandwidth, 2 GHz		✓	✓
P50	Preamplifier, 50 GHz	✓	✓	
P50L	Preamplifier, 50 GHz, basic			✓
N9054EM0E vector modulation analysis measurement application		✓	✓	✓

EMC

EMI receiver bundles

Choose either an MXE or PXE EMI receiver paired with time domain scan capability for fast EMI measurements.



Option	Description	N9038B-030	N9038B-080	N9038B-260	N9038B-440
503	Frequency range, 3 Hz to 3.6 GHz	✓			
508	Frequency range, 3 Hz to 8.4 GHz		✓		
526	Frequency range, 3 Hz to 26.5 GHz			✓	
544	Frequency range, 3 Hz to 44 GHz				✓
P03	Preamplifier, 3.6 GHz	✓			
P08	Preamplifier, 8.4 GHz		✓		
P26	Preamplifier, 26.5 GHz			✓	
P44	Preamplifier, 44 GHz				✓
PFR	Precision frequency reference	✓	✓	✓	✓
N90EMTDSB time domain scan		✓	✓	✓	✓

Option	Description	N9048B-031	N9048B-081	N9048B-261	N9048B-441
503	Frequency range, 1 Hz to 3.6 GHz	✓			
508	Frequency range, 1 Hz to 8.4 GHz		✓		
526	Frequency range, 1 Hz to 26.5 GHz			✓	
544	Frequency range, 1 Hz to 44 GHz				✓
P03	Preamplifier, 3.6 GHz	✓			
P08	Preamplifier, 8.4 GHz		✓		
P26	Preamplifier, 26.5 GHz			✓	
P44	Preamplifier, 44 GHz				✓
PFR	Precision frequency reference	✓	✓	✓	✓
WF1	Wideband digital IF	✓	✓	✓	✓
N9048TDSB time domain scan		✓	✓	✓	✓
N9048WT1B wideband time domain scan, basic detection		✓	✓	✓	✓

Option	Description	N9048B-032	N9048B-082	N9048B-262	N9048B-442
503	Frequency range, 1 Hz to 3.6 GHz	✓			
508	Frequency range, 1 Hz to 8.4 GHz		✓		
526	Frequency range, 1 Hz to 26.5 GHz			✓	
544	Frequency range, 1 Hz to 44 GHz				✓
P03	Preamplifier, 3.6 GHz	✓			
P08	Preamplifier, 8.4 GHz		✓		
P26	Preamplifier, 26.5 GHz			✓	
P44	Preamplifier, 44 GHz				✓
PFR	Precision frequency reference	✓	✓	✓	✓
WF1	Wideband digital IF	✓	✓	✓	✓
N9048TDSB time domain scan		✓	✓	✓	✓
N9048WT2B wideband time domain scan, optimum detection		✓	✓	✓	✓

UWB

IEEE 802.15.4/4z HRP UWB Bundles

Choose the M9415A VXT with N7610EMBC signal studio for IoT and 89601200C & 89601BHTC for IoT for HRP UWB signal analysis



Option	Description	M9415A-U01
001	VXT PXI vector transceiver	✓
F12	Frequency range, 380 MHz to 12 GHz	✓
B12	Bandwidth, 1.2 GHz	✓
M05	Memory, 512 MSa	✓
N7610EMBC Signal Studio for IoT, waveform playback		✓
89601200C Basic vector signal analysis and hardware connectivity		✓
89601BHTC IoT modulation analysis		✓

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