

N1500A v2020 (Ver.4) - Supported Analyzers

 Apr . 7th, 2022

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006	N1500A-007 ¹⁹
		Trans Line & Free Space	Arch Reflectivity	Resonant Cavity	Coaxial Probe	Parallel Plate/Ind. Method Up to 1.0 GHz	Parallel Plate/Ind. Method Up to 120 MHz	Resonant cavity method for split cylinder resonators

PNA Series

N5231/32/33/34/35/39A	LAN, GPIB, USB or run on analyzer ¹	yes ³	yes ³	yes	yes	no	no	yes
N5231/32/33/34/35/39B						no	no	yes
N5221/22/24/25/27A	LAN, GPIB, USB or run on analyzer ¹	yes ³	yes ³	yes	yes	no	no	yes
N5221/22/24/25/27B						no	no	yes
N5241/42/44/45/47A	LAN, GPIB, USB or run on analyzer ¹	yes ³	yes ³	yes	yes	no	no	yes
N5290/1A						no	no	yes
N5241/42/44/45/47B						no	no	yes
E8361/62/63/64C	LAN, GPIB, USB or run on analyzer ²	yes ³	yes ³	yes	yes	no	no	no
N5230C	LAN, GPIB, USB or run on analyzer ²	yes ³	yes ³	yes	yes	no	no	no

ENA Series

E5080A	LAN, GPIB, USB or run on analyzer	yes ⁵	no	yes ⁶	yes	no	no	no
E5080B	LAN, GPIB, USB or run on analyzer	yes ³	no	yes	yes	no	no	yes
E5063A	LAN, GPIB, USB or run on analyzer	yes ⁵	no	yes	yes ⁷	no	no	yes
E5061B	LAN, GPIB, USB or run on analyzer	yes ^{1,5}	no	yes ⁶	yes ⁷	no	no	no

¹ analyzer requires full two port S-parameters for some transmission line models

E5061B-3L5	LAN, GPIB, USB or run on analyzer	yes ¹	no	yes ²	yes ³⁴	no	no	no
E5071C	LAN, GPIB, USB or run on analyzer	yes ³	yes ³	yes	yes	no	no	no
E5072A	LAN, GPIB, USB or run on analyzer	yes ⁵	no	yes ⁶	yes	no	no	no
E5061/62A	GPIB	no	no	no	yes ⁷	no	no	no

Footnotes

¹ analyzer requires firmware A.09.50.12 or greater for GPIB and USB

² analyzer requires firmware A.09.42.18 or greater for GPIB and USB

³ analyzer requires option 010, time domain for free space calibration



N1500A v2020 (Ver.4) - Supported Analyzers

Apr . 7th, 2022

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006	N1500A-007 ⁵
		Trans Line & Free Space	Arch Reflectivity	Resonant Cavity	Coaxial Probe	Parallel Plate/Ind. Method Up to 1.0 GHz	Parallel Plate/Ind. Method Up to 120 MHz	Resonant cavity method for split cylinder resonators

USB Streamline VNA

P5000/1/2/3/4/5/6/7/8A & B	USB	Yes ³	no	yes	yes	no	no	yes
P5020/1/2/3/4/5/6/7/8A & B	USB	yes ³	no	Yes	yes	no	no	yes
P9370/1/2/3/4/5A & B	USB	Yes ³	no	yes	yes	no	no	yes

FieldFox

N9913/14/15/16/17/18A/50/51/52A & B	LAN / USB for CPU2	yes ^{5, 10}	no	yes ^{6, 10}	yes ^{7, 8, 9, 10}	no	no	no
N9925/26/27/28A	LAN / USB for CPU2	yes ⁵	no	yes ⁶	yes ^{7, 8, 9}	no	no	no
N9912A	LAN / USB for CPU2	no	no	no	yes ^{7, 8, 9, 11}	no	no	no

¹ transmission line only, free space GRL is not supported

² ASTM and SPDR methods only, requires ≥14GHz opt. for 85072A

³ analyzer displays un-calibrated S-parameters

⁴ For N1501AKEAD-7xx Splitter cylinder resonators

⁵ For N1501AKEAD-7xx Splitter cylinder resonators

Footnotes:

³ analyzer requires option 010, time domain for free space calibration

⁵ transmission line only, free space GRL is not supported.

⁶ ASTM and SPDR methods only, 18GHz and above model for 85072A.

⁷ analyzer displays un-calibrated S-parameters.

⁸ does not support electronic calibration refresh with ECal.

⁹ does not support Log Sweep.

¹⁰ analyzer requires option 210 or 211 Vector Network Analyzer option.

¹¹ analyzer requires option 303, network analysis capability

³ analyzer requires option 010, time domain for free space calibration

⁵ transmission line only, free space GRL is not supported.

⁶ ASTM and SPDR methods only, 18GHz and above model for 85072A.

¹² analyzer requires option 010, extended test port

¹³ requires N1500A revision v2014-20150115-01 or greater.

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006	N1500A-007 ¹⁹
		Trans Line & Free Space	Arch Reflectivity	Resonant Cavity	Coaxial Probe	Parallel Plate/Ind. Method Up to 1.0 GHz	Parallel Plate/Ind. Method Up to 120 MHz	Resonant cavity method for split cylinder resonators
PXIs VNA								
M9485A	M9045B PCIe ExpressCard adapter and Y1200A cable to M9021A PCIe cable interface	yes ⁵	no	yes	yes ⁶	no	no	no
M9801/2/3/4/5/6/7/8A ¹⁴	<ul style="list-style-type: none"> LAN to M9036/7A PXIe embedded controller. Run on M9036/7A PXIe embedded controller 	yes ³	no	yes	yes	no	no	yes
N5252A	Refer to N5252A User Guide	yes ³	no	no	no	no	no	yes
M93701/2/3/4/5/6/7/8A ¹⁴	M9048A PCIe desktop adapter and Y1202A cable to M9021A PCIe cable interface.	yes ³	no	yes	yes	no	no	yes
Impedance Analyzer								
E4991B	LAN, GPIB, USB or run on analyzer	no	no	no	yes ^{12, 13}	yes ^{16, 17}	no	no
E4991A	GPIB	no	no	no	yes ¹²	no	no	no
E4980A/AL ¹⁵	LAN, GPIB, USB	no	no	no	no	yes	yes	no
E4990A ^{15, 18}	LAN, GPIB, USB or run on analyzer	no	no	no	no	yes	yes	no

Footnotes:

¹⁴ supports up to 16 PXIe VNA cards for multiport configurations.

¹⁵ support 16451B/16452A for permittivity

¹⁶ support 16454A for permeability

¹⁷ support 16453A for permittivity

¹⁸ support E4990A opt.120 + 42942A + 16454A for permeability up to 120 MHz

¹⁹ For N1501AKEAD-7xx Splitter cylinder resonators