

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006	N1500A-007 <sup>19</sup>
		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
<b>PNA Series</b>								
N5231/32/33/34/35/39A	LAN, GPIB, USB or run on analyzer <sup>1</sup>	yes <sup>3</sup>	yes <sup>3</sup>	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 <sup>1</sup>	yes <sup>3</sup>	yes <sup>3</sup>	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 <sup>1</sup>	yes <sup>3</sup>	yes <sup>3</sup>	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 <sup>2</sup>	yes <sup>3</sup>	yes <sup>3</sup>	yes	yes	no	no	no
N5230C	LAN, GPIB, USB or run on analyzer <sup>2</sup>	yes <sup>3</sup>	yes <sup>3</sup>	yes	yes	no	no	no
<b>ENA Series</b>								
E5080A	LAN, GPIB, USB or run on analyzer	yes <sup>5</sup>	no	yes <sup>6</sup>	yes	no	no	no
E5080B	LAN, GPIB, USB or run on analyzer	yes <sup>3</sup>	no	yes	yes	no	no	yes
E5063A	LAN, GPIB, USB or run on analyzer	yes <sup>5</sup>	no	yes	yes <sup>7</sup>	no	no	yes
E5061B	LAN, GPIB, USB or run on analyzer	yes <sup>4,5</sup>	no	yes <sup>6</sup>	yes <sup>7</sup>	no	no	no
E5061B-3L5	LAN, GPIB, USB or run on analyzer	yes <sup>5</sup>	no	yes <sup>6</sup>	yes <sup>7</sup>	no	no	no
E5071C	LAN, GPIB, USB or run on analyzer	yes <sup>3,</sup>	yes <sup>3</sup>	yes	yes	no	no	no
E5072A	LAN, GPIB, USB or run on analyzer	yes <sup>5</sup>	no	yes <sup>6</sup>	yes	no	no	yes
E5061/62A	GPIB	no	no	no	yes <sup>7</sup>	no	no	no

**Footnotes**

- <sup>1</sup> analyzer requires firmware A.09.50.12 or greater for GPIB and USB
- <sup>2</sup> analyzer requires firmware A.09.42.18 or greater for GPIB and USB
- <sup>3</sup> analyzer requires option 010, time domain for free space calibration
- <sup>4</sup> analyzer requires full two port S-parameters for some transmission line models
- <sup>5</sup> transmission line only, free space GRL is not supported
- <sup>6</sup> ASTM and SPDR methods only, requires ≥14GHz opt. for 85072A
- <sup>7</sup> analyzer displays un-calibrated S-parameters
- <sup>19</sup> For N1501AKEAD-7xx Splitter cylinder resonators

# N1500A v2020 (Ver.4) - Supported Analyzers

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006	N1500A-007 <sup>19</sup>
		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
<b>USB Streamline VNA</b>								
P5000/1/2/3/4/5/6/7/8A	USB	Yes <sup>3</sup>	no	yes	yes	no	no	yes
P5020/1/2/3/4/5/6/7/8A	USB	yes <sup>3</sup>	no	Yes	yes	no	no	yes
P9370/1/2/3/4/5A	USB	Yes <sup>3</sup>	no	yes	yes	no	no	yes
<b>FieldFox</b>								
N9913/14/15/16/17/18A/50/51/52A	LAN / USB for CPU2	yes <sup>5, 10</sup>	no	yes <sup>6, 10</sup>	yes <sup>7, 8, 9, 10</sup>	no	no	no
N9925/26/27/28A	LAN / USB for CPU2	yes <sup>5</sup>	no	yes <sup>6</sup>	yes <sup>7, 8, 9</sup>	no	no	no
N9912A	LAN / USB for CPU2	no	no	no	yes <sup>7, 8, 9, 11</sup>	no	no	no
N9923A	LAN / USB for CPU2	yes <sup>5</sup>	no	yes <sup>6</sup>	yes <sup>7, 8, 9</sup>	no	no	no

**Footnotes:**

- <sup>3</sup> analyzer requires option 010, time domain for free space calibration
- <sup>5</sup> transmission line only, free space GRL is not supported.
- <sup>6</sup> ASTM and SPDR methods only, 18GHz and above model for 85072A.
- <sup>7</sup> analyzer displays un-calibrated S-parameters.
- <sup>8</sup> does not support electronic calibration refresh with ECal.
- <sup>9</sup> does not support Log Sweep.
- <sup>10</sup> analyzer requires option 210 or 211 Vector Network Analyzer option.
- <sup>11</sup> analyzer requires option 303, network analysis capability
- <sup>19</sup> For N1501AKEAD-7xx Splitter cylinder resonators

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006	N1500A-007 <sup>19</sup>
		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 <sup>5</sup>	no	yes	yes <sup>6</sup>	no	no	no
M9801/2/3/4/5/6/7/8A <sup>14</sup>	<ul style="list-style-type: none"> <li>LAN to M9036/7A PXIe embedded controller.</li> <li>Run on M9036/7A PXIe embedded controller</li> </ul>	yes <sup>3</sup>	no	yes	yes	no	no	yes
N5252A	Refer to N5252A User Guide	yes <sup>3</sup>	no	no	no	no	no	yes
M93701/2/3/4/5/6/7/8A <sup>14</sup>	M9048A PCIe desktop adapter and Y1202A cable to M9021A PCIe cable interface.	yes <sup>3</sup>	no	yes	yes	no	no	yes

## Impedance Analyzer

E4991B	LAN, GPIB, USB or run on analyzer	no	no	no	yes <sup>12, 13</sup>	yes <sup>16, 17</sup>	no	no
E4991A	GPIB	no	no	no	yes <sup>12</sup>	no	no	no
E4980A/AL <sup>15</sup>	LAN, GPIB, USB	no	no	no	no	yes	yes	no
E4990A <sup>15, 18</sup>	LAN, GPIB, USB or run on analyzer	no	no	no	no	yes	yes	no

### Footnotes:

- <sup>3</sup> analyzer requires option 010, time domain for free space calibration
- <sup>5</sup> transmission line only, free space GRL is not supported.
- <sup>6</sup> ASTM and SPDR methods only, 18GHz and above model for 85072A.
- <sup>12</sup> analyzer requires option 010, extended test port
- <sup>13</sup> requires N1500A revision v2014-20150115-01 or greater.
- <sup>14</sup> supports up to 16 PXIe VNA cards for multiport configurations.
- <sup>15</sup> support 16451B/16452A for permittivity
- <sup>16</sup> support 16454A for permeability
- <sup>17</sup> support 16453A for permittivity
- <sup>18</sup> support E4990A opt.120 + 42942A + 16454A for permeability up to 120 MHz
- <sup>19</sup> For N1501AKEAD-7xx Splitter cylinder resonators