

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006
		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
<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
N5231/32/33/34/35/39B						no	no
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
N5221/22/24/25/27B						no	no
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
N5290/1A						no	no
N5241/42/44/45/47B	LAN, GPIB, USB or run on analyzer <sup>2</sup>	yes <sup>3</sup>	yes <sup>3</sup>	yes	yes	no	no
E8361/62/63/64C						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
<b>ENA Series</b>							
E5080A	LAN, GPIB, USB or run on analyzer	yes <sup>5</sup>	no	yes <sup>6</sup>	yes	no	no
E5080B	LAN, GPIB, USB or run on analyzer	yes <sup>3</sup>	no	yes	yes	no	no
E5063A	LAN, GPIB, USB or run on analyzer	yes <sup>5</sup>	no	yes	yes <sup>7</sup>	no	no
E5061B	LAN, GPIB, USB or run on analyzer	yes <sup>4,5</sup>	no	yes <sup>6</sup>	yes <sup>7</sup>	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
E5071C	LAN, GPIB, USB or run on analyzer	yes <sup>3</sup>	yes <sup>3</sup>	yes	yes	no	no
E5072A	LAN, GPIB, USB or run on analyzer	yes <sup>5</sup>	no	yes <sup>6</sup>	yes	no	no
E5061/62A	GPIB	no	no	no	yes <sup>7</sup>	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

Model Numbers	Interface	N1500A-001	N1500A-002	N1500A-003	N1500A-004	N1500A-005	N1500A-006
		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
<b>USB Streamline VNA</b>							
P5000/1/2/3/4/5/6/7/8A	USB	Yes <sup>3</sup>	no	yes	yes	no	no
P5020/1/2/3/4/5/6/7/8A	USB	yes <sup>3</sup>	no	Yes	yes	no	no
P9370/1/2/3/4/5A	USB	Yes <sup>3</sup>	no	yes	yes	no	no
<b>FieldFox</b>							
N9913/14/15/16/17/18A/50/51/52A or B	LAN / USB for CPU2	yes <sup>5, 10</sup>	no	yes <sup>6, 10</sup>	yes <sup>7, 8, 9, 10</sup>	no	no
N9925/26/27/28A or	LAN / USB for CPU2	yes <sup>5</sup>	no	yes <sup>6</sup>	yes <sup>7, 8, 9</sup>	no	no
N9912A	LAN / USB for CPU2	no	no	no	yes <sup>7, 8, 9, 11</sup>	no	no
N9923A	LAN / USB for CPU2	yes <sup>5</sup>	no	yes <sup>6</sup>	yes <sup>7, 8, 9</sup>	no	no
<b>PXIe VNA</b>							
M9485A	<ul style="list-style-type: none"> <li>M9045B PCIe ExpressCard adapter and Y1200A cable to M9021A PCIe cable interface</li> </ul>	yes <sup>5</sup>	no	yes	yes <sup>6</sup>	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
N5252A	Refer to N5252A User Guide	yes <sup>3</sup>	no	no	no	no	no
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
<b>Impedance Analyzer</b>							

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

## 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>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