

Agilent 16800 Series Portable Logic Analyzers



The 16800 Series portable logic analyzers offer advanced measurements for your digital applications – at a price that will fit your budget.



Measurements that meet your specific needs – at a price that fits your budget

Agilent Technologies 16800 Series portable logic analyzers offer the performance, applications, and usability your digital development team needs to quickly debug, validate, and optimize your digital system.

Logic analysis for tracking real-time system operation

Accurately measure precise timing relationships over longer periods of time with 64 K deep, 4 GHz (250 ps) timing zoom. Find anomalies separated in time with memory depths upgradeable to 32 M. You get it all at a price that fits your budget.



Agilent Model Number	16801A, 16821A ¹	16802A, 16822A ¹	16803A, 16823A ¹	16804A	16806A
Logic analyzer channels	34	68	102	136	204
Pattern generator channels ¹	48	48	48	N/A	N/A
High-speed timing zoom	4 GHz (250 ps) with 64 K depth	4 GHz (250 ps) with 64 K depth			
Maximum timing sample rate (Half/full ch)	1.0 GHz (1.0 ns) / 500 MHz (2.0 ns)	1.0 GHz (1.0 ns) / 500 MHz (2.0 ns)			
Maximum state clock rate	250 MHz with option 250	450 MHz with option 500 250 MHz with option 250			
Maximum state data rate	250 Mb/s with option 250	500 Mb/s with option 500 250 Mb/s with option 250			
Maximum memory depth	1 M with option 001 4 M with option 004 16 M with option 016 32 M with option 032	1 M with option 001 4 M with option 004 16 M with option 016 32 M with option 032			
Supported signal types	Single-ended	Single-ended			
Automated threshold/sample position Simultaneous eye diagrams, all channels	Yes	Yes			
Probe compatibility	40-pin cable connector	40-pin cable connector			

¹ Pattern generator available with 16821A, 16822A and 16823A.

