Memory Protocol Solution Bundles

Keysight Memory Protocol Solution Bundles provide all the necessary software applications, probing and hardware options for each specific memory technology focus. Bundles include preconfigured and systemized HW and SW.

These memory solution bundles include a 3-year Keysight Care extended warranty on U4164A, M9502A, M9505A, and M9537A. All other hardware line items and accessories include a 1-year warranty. Software application licenses are node locked perpetual licenses.

Users supply their own monitor and video cable.

Choose a memory protocol solution bundle that's right for you:

Memory Technology	U4970A DDR5 Solution Bundle	U4971A LPDDR5 Solution Bundle	U4972A DDR4 DRAM Solution Bundle
DDR/2/3/4/5	X		
DDR4 DRAM			X
LPDDR/2/3/4/5		X	

For more information about U4164A logic analyzer modules –
View the data sheet with Keysight publication number: 5992-1057EN

For more information about B4661A Memory Analysis SW –
View the data sheet with Keysight publication number: 5992-0984EN

For more information about W4643A DDR4 x4/x8 BGA interposers –
View the data sheet with Keysight publication number: 5991-4258EN

For more information about U4206A, E5381A or E5406A probes –
View the data sheet with Keysight publication number: 5968-4632EN

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U4970A: DDR5 Bundle (M9502A Chassis U4164A Logic Analyzer)

Model Number	Quantity	Description
U4970A DDR5 Bundle Contents		
U4164A	1	Logic Analyzer Module, 136 ch, 12.5 GHz TZ, 5 GHz Timing, 350 MHz base, 2 Mb
U4164A-02G	1	Increase maximum speeds: state to 4 Gb/s (2.5 GHz) and timing to 10 GHz
U4164A-008	1	Increase maximum memory depth to 8Mb
R-55A-001-1	1	KeysightCare Assured First Year Support (on U4164A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on U4164A)
M9502A	1	AXIe Chassis: 2-slot with Integrated System Module
M9502A-U20	1	ESM with USB 2.0
R-55A-001-1	1	KeysightCare Assured First Year Support (on M9502A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on M9502A)
M9537A	1	AXIe High Performance Embedded Controller
Y1206A	1	USB keyboard and optical mouse
M9537A-M16	1	Memory, 16GB
M9537A-W16	1	Windows 10 option
R-55A-001-1	1	KeysightCare Assured First Year Support (on M9537A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on M9537A)
B4661A	1	Memory Analysis Software for Logic Analyzers
B4661A-1FP	1	DDR/2/3/4 Listing Decoder, fixed perpetual license
B4661A-2FP	1	LPDDR/2/3/4 Listing Decoder, fixed perpetual license
B4661A-3FP	1	DDR/2/3/4 and LPDDR/2/3/4 Compliance Validation, fixed perpetual license
B4661A-4FP	1	DDR3/4, LPDDR2/3/4, and ONFi Analysis, fixed perpetual license
B4661A-5FP	1	DDR5 Analysis and Compliance Validation, fixed perpetual license
U4206A	1	Probe, 34 Channel Soft Touch Pro 4x 160-pin Direct connect

U4971A: LPDDR5 Bundle (M9502A Chassis U4164A Logic Analyzer)

Model Number	Quantity	Description
U4971A LPDDR5 Bundle Contents		
U4164A	1	Logic Analyzer Module, 136 ch, 12.5 GHz TZ, 5 GHz Timing, 350 MHz base, 2 Mb
U4164A-02G	1	Increase maximum speeds: state to 4 Gb/s (2.5 GHz) and timing to 10 GHz
U4164A-400	1	Increase maximum memory depth to 400Mb
R-55A-001-1	1	KeysightCare Assured First Year Support (on U4164A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on U4164A)
M9502A	1	AXIe Chassis: 2-slot with Integrated System Module
M9502A-U20	1	ESM with USB 2.0
R-55A-001-1	1	KeysightCare Assured First Year Support (on M9502A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on M9502A)
M9537A	1	AXIe High Performance Embedded Controller
Y1206A	1	USB keyboard and optical mouse
M9537A-M16	1	Memory, 16GB
M9537A-W16	1	Windows 10 option
R-55A-001-1	1	KeysightCare Assured First Year Support (on M9537A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on M9537A)
B4661A	1	Memory Analysis Software for Logic Analyzers
B4661A-1FP	1	DDR/2/3/4 Listing Decoder, fixed perpetual license
B4661A-2FP	1	LPDDR/2/3/4 Listing Decoder, fixed perpetual license
B4661A-3FP	1	DDR/2/3/4 and LPDDR/2/3/4 Compliance Validation, fixed perpetual license
B4661A-4FP	1	DDR3/4, LPDDR2/3/4, and ONFi Analysis, fixed perpetual license
B4661A-6FP	1	LPDDR5 Analysis and Compliance Validation, fixed perpetual license
U4206A	1	Probe, 34 Channel Soft Touch Pro 4x 160-pin Direct connect
U4201A	4	Logic Analyzer cable for use with individual probes
E5381B	2	Probe, 17 channel differential flying leads, connects to 90-pin Logic Analyzer cable
E5382B	1	Probe, 17 channel single-ended flying leads, connects to 90-pin Logic Analyzer cable
E5406A	4	Probe, 34 channel, Soft Touch Pro, single-ended, connects to 90-pin cable
E5403A	4	Kit of 5 retention modules for Pro Series Soft Touch Connectorless Probes

U4972A: DDR4 DRAM Bundle (M9502A Chassis U4164A Logic Analyzer)

U4972A DDR5 Bundle Contents		
Model Number	**Quantity**	**Description**
U4164A	3	Logic Analyzer Module, 136 ch, 12.5 GHz TZ, 5 GHz Timing, 350 MHz base, 2 Mb
U4164A-02G	3	Increase maximum speeds: state to 4 Gb/s (2.5 GHz) and timing to 10 GHz
U4164A-008	3	Increase maximum memory depth to 8Mb
R-55A-001-1	3	KeysightCare Assured First Year Support (on U4164A)
R-51B-001-3C	3	Extended Warranty - Return to Keysight - 3 years (on U4164A)
M9505A	1	AXIe Chassis: 5-slot with Integrated System Module
M9505A-U20	1	ESM with USB 2.0
R-55A-001-1	1	KeysightCare Assured First Year Support (on M9505A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on M9505A)
M9537A	1	AXIe High Performance Embedded Controller
Y1206A	1	USB keyboard and optical mouse
M9537A-M16	1	Memory, 16GB
M9537A-W16	1	Windows 10 option
R-55A-001-1	1	KeysightCare Assured First Year Support (on M9537A)
R-51B-001-3C	1	Extended Warranty - Return to Keysight - 3 years (on M9537A)
B4661A	1	Memory Analysis Software for Logic Analyzers
B4661A-1FP	1	DDR/2/3/4 Listing Decoder, fixed perpetual license
B4661A-2FP	1	LPDDR/2/3/4 Listing Decoder, fixed perpetual license
B4661A-3FP	1	DDR/2/3/4 and LPDDR/2/3/4 Compliance Validation, fixed perpetual license
B4661A-4FP	1	DDR3/4, LPDDR2/3/4, and ONFi Analysis, fixed perpetual license
U4206A	1	Probe, 34 Channel Soft Touch Pro 4x 160-pin Direct connect
W4643A-004	1	Quantity 4, W4643A DDR4 x4/x8 BGA Interposer, 78-ball, 2 wing, connects to U4208A/U4209A
U4208A	2	Probe/cable, 61-pin ZIF, from left wing, no RC, 160-pin direct connect to LA
U4209A	2	Probe/cable, 61-pin ZIF, from right wing, no RC, 160-pin direct connect to LA

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

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