

Keysight M9485A

PXIe Multiport Vector Network Analyzer

Configuration Guide



Ordering Guide

The following steps will guide you through configuring your M9485A.

Standard items		
Description	Additional information	
M9485A CD-ROM	Includes M9485A application firmware	
IO library CD-ROM	Includes Keysight IO library	
Start Up Guide	Describes how to set up the M9485A	
Socket for wrench - 5/16 inch	Torque wrench is required.	
Cable removal tool, SMB/MMCX		

Step 1. Choose port option ¹		
Description	Model-option	Additional information
4-port test set	M9485A-104	
6-port test set	M9485A-106	
8-port test set	M9485A-108	
10-port test set	M9485A-110	
12-port test set	M9485A-112	
14-port test set	M9485A-114	Requires two M9018A chassis
16-port test set	M9485A-116	Requires two M9018A chassis
18-port test set	M9485A-118	Requires two M9018A chassis
20-port test set	M9485A-120	Requires two M9018A chassis
22-port test set	M9485A-122	Requires two M9018A chassis
24-port test set	M9485A-124	Requires two M9018A chassis

Step 2. Add an M9300A PXIe frequency reference		
Description	Model-option	Additional information
PXIe frequency reference	M9485A-300	One M9300A 100 MHz frequency reference required per chassis to run the M9485A and meet M9485A data sheet specifications

Step 3. Choose software option		
Description	Model-option	Additional information
Frequency offset mode	M9485A-009	Transportable license
Time domain analysis	M9485A-010	Transportable license
N-port calibrated measurement	M9485A-551	Required for calibration of 6-port and above; transportable license

1. Port option includes necessary modules and cables to consist n-port test set.

Step 5. Add a PCIe cable interface for 2-chassis configuration

Description	Model-option	Additional information
PCIe cable interface	M9021A	PCIe cable interface for 14 to 24-port configurations. If M9037A is used as controller, no M9021A is required (M9485A options 114 to 124 include one M9021A and M9037A has one PCIe port) Other cases require one additional M9021A.

Step 6. Select controller (either embedded controller or via PC)

To use an embedded controller, select either M9036A or M9037A

M9036A mid-performance embedded controller

Description	Model-option	Additional information
PXIe embedded controller	M9036A	Intel Core i5 processor at 2.4 GHz, USB (4), 10/100/1000 LAN (2), DVI-I, ExpressCard 34, GP-IB, and SMB PXI trigger
Windows Embedded Standard 7 (64 bit)	M9036A-WE6	
Windows Embedded Standard 7 (32 bit)	M9036A-WE3	
Memory, 8 GB	M9036A-M08	8 GB is recommended for M9485A
USB keyboard and optical mouse	Y1206A	

M9037A high-performance embedded controller

Description	Model-option	Additional information
PXIe embedded controller	M9037A	Intel i7-4700EQ quad-core processor at 2.4 GHz, USB 2.0 (4), USB 3.0 (2), LAN (10/100/1000) (2), DisplayPort (2), GPIB and SMB trigger
Windows Embedded Standard 7 (64 bit)	M9037A-WE6	
Windows Embedded Standard 7 (32 bit)	M9037A-WE3	
Memory, 8 GB	M9037A-M08	8 GB or more is recommended for M9485A
Memory, 16 GB	M9037A-M16	
USB keyboard and optical mouse	Y1206A	
Display port-to-DVI adapter	Y1261A	
Display port cable	Y1262A	
Display port-to-VGA adapter	Y1263A	

To use your laptop PC as a controller

Description	Model-option	Additional information
PCIe ExpressCard adapter	M9045B	ExpressCard slot is required in your laptop PC
PCIe cable interface	M9021A	If you have a 2-chassis configuration, two M9021As are required.
PCIe cable: x1 to x8, 2.0m	Y1200B	
Air inlet kit: M9018A chassis	Y1214B	Required for empty slot-1 in M9018A chassis.

To use your desktop PC as a controller

Description	Model-option	Additional information
PCIe desktop adapter	M9048A	PCIe x8 or x16 card slot is required in your desktop PC
PCIe cable interface	M9021A	If you have a 2-chassis configuration, two M9021As are required.
PCIe cable x8, 2.0m	Y1202A	
Air inlet kit: M9018A chassis	Y1214B	Required for empty slot-1 in M9018A chassis.

Software Upgrades

Model-option	Description	Upgrade model-option	Customer installable?	Additional information
M9485A-009	Frequency offset mode	M9485AU-009	Yes	Transportable license
M9485A-010	Time domain analysis	M9485AU-010	Yes	Transportable license
M9485A-551	N-port calibrated measurement	M9485AU-551	Yes	Transportable license

Hardware Upgrades

Refer to M9485A Post-Purchase Upgrades in Keysight.com for adding port configurations.

Literature Resources

Description	Publication number
<i>M9485A</i> Data Sheet	5992-0756EN
<i>M9485A</i> Brochure	5992-0757EN
<i>Network Analyzer</i> Selection Guide	5989-7603EN

Web Resource

Get the latest news, product and support information, application literature and more.

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