

Technical Support
Knowledge Center Open

34980A MAC地址冲突解决方案

Notices

© Keysight Technologies Incorporated, 2002-2020

1400 Fountaingrove Pkwy., Santa Rosa, CA 95403-1738, United States All rights reserved.

No part of this documentation may be reproduced in any form or by any means (including electronic storage and retrieval or translation into a foreign language) without prior agreement and written consent from Keysight Technologies, Inc. as governed by United States and international copyright laws.

Restricted Rights Legend

If software is for use in the performance of a U.S. Government prime contract or subcontract, Software is delivered and licensed as "Commercial computer software" as defined in DFAR 252.227-7014 (June 1995), or as a "commercial item" as defined in FAR 2.101(a) or as "Restricted computer software" as defined in FAR 52.227-19 (June 1987) or any equivalent agency regulation or contract clause.

Use, duplication or disclosure of Software is subject to Keysight Technologies' standard commercial license terms, and non-DOD Departments and Agencies of the U.S. Government will receive no greater than Restricted Rights as defined in FAR 52.227-19(c)(1-2) (June 1987). U.S. Government users will receive no greater than Limited Rights as defined in FAR 52.227-14 (June 1987) or DFAR 252.227-7015 (b)(2) (November 1995), as applicable in any technical data.

Portions of this software are licensed by third parties including open source terms and conditions.

For detail information on third party licenses, see [Notice](#).

Contents

Operational "How to" Guides.....	4
Summary.....	4
Description	4

Operational "How to" Guides

Summary

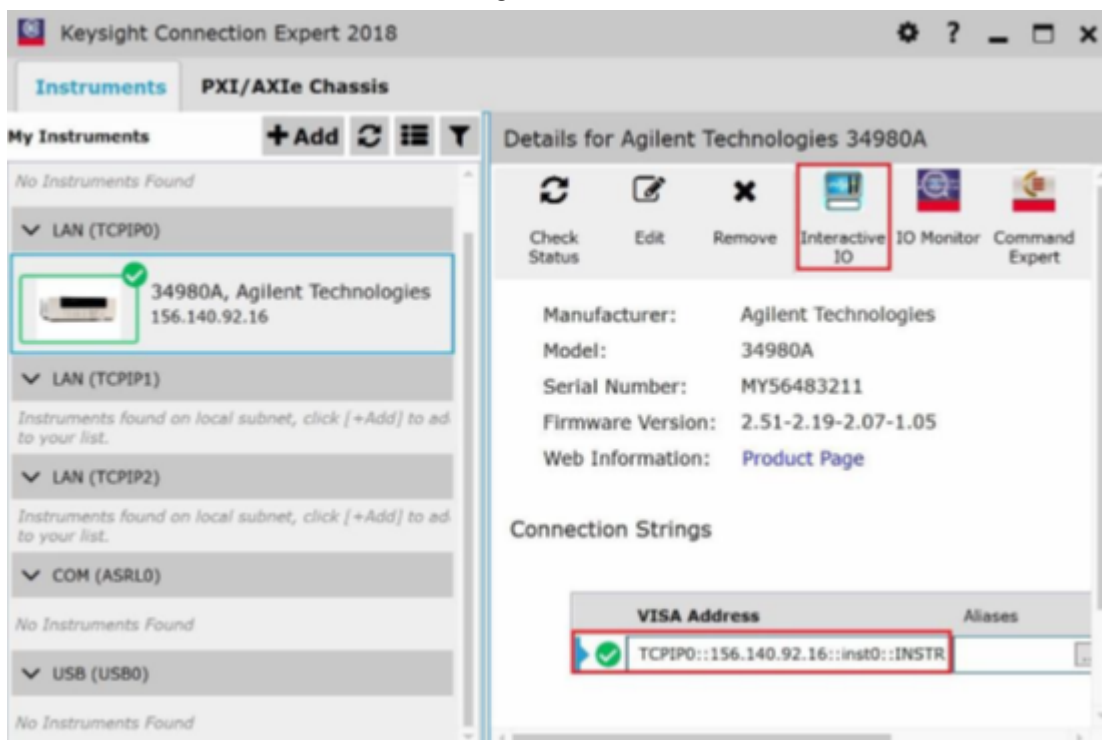
34980A MAC地址冲突解决方案（序列号为MY56482363 - MY56484193, SG564680019 - SG56480030）

Description

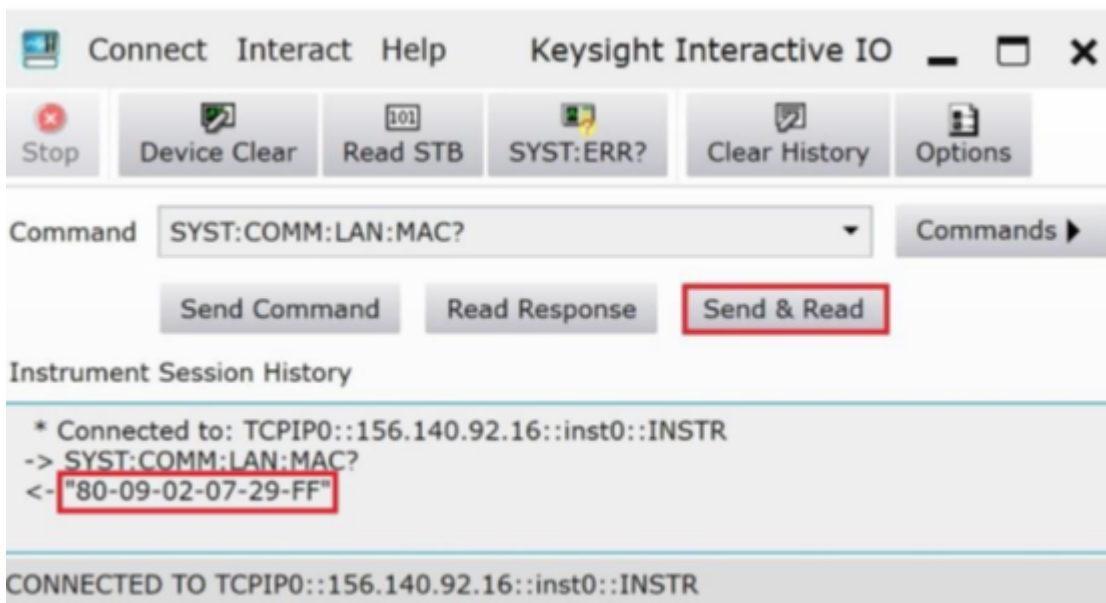
媒体访问控制（MAC地址）是一个硬件地址，用于唯一标识网络上的每台仪器。每个34980A仪器都必须具有唯一的MAC地址。由于软件错误，某些34980A（序列号为MY56482363 - MY56484193, SG564680019 - SG56480030）出厂时具有相同的MAC地址[80-09-02-07-29-FF]。当具有相同MAC地址的34980A连接到同一局域网时，就会发生IP冲突。

解决方案：

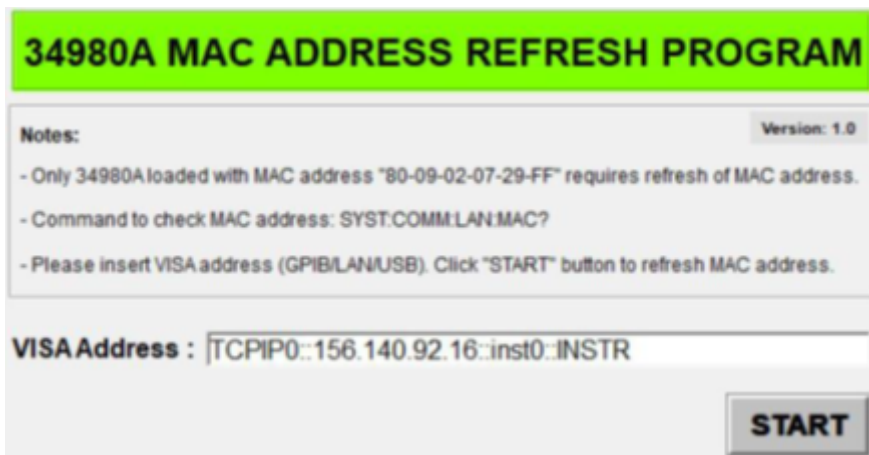
1. 使用GPIB电缆或LAN电缆将34980A仪器连接到PC控制器。
2. 打开“IO Connection Expert”以确保建立与仪器的连接。记下VISA地址（GPIB或LAN地址），VISA地址将在34980A MAC Address Refresh Program.vxe应用程序中用到。



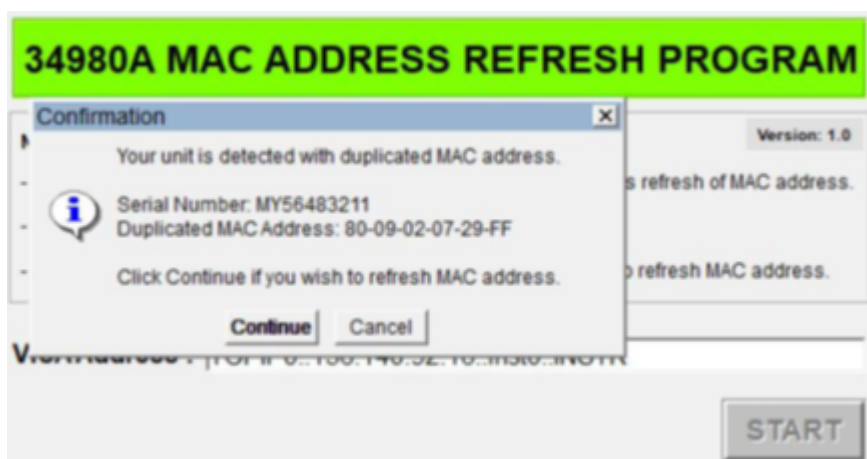
3. 在Connection Expert中启动Keysight Interactive IO工具，并使用SCPI命令验证仪器的MAC地址：
(a) “SYST:COMM:LAN:MAC?”：查询仪器的LAN MAC地址。



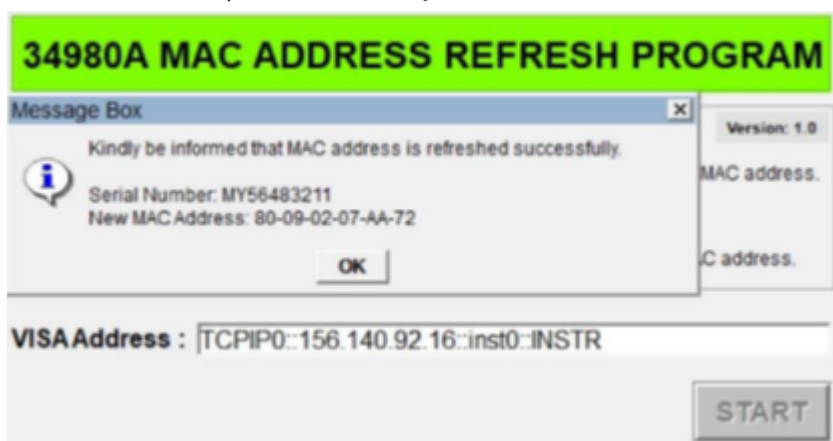
4. 如果MAC地址为[80-09-02-07-29-FF], 请继续执行步骤5。否则, 该仪器不受MAC地址问题的影响, 因此无需采取进一步措施。
5. 下载34980A MAC Address Refresh Program.vxe (见附件) 和Keysight_VEE_Runtime_9.33.exe软件 (见链接) <https://www.keysight.com/main/software.jsp?ckey=2213956&lc=chi&cc=CN&nid=-11143.0.00&id=2213956>
6. 如果尚未在PC上安装Keysight VEE Runtime, 请运行Keysight_VEE_Runtime_9.33.exe。
7. 使用Keysight_VEE_Runtime_9.33打开34980A MAC Address Refresh Program.vxe软件。
8. 在文本框中输入要更新的仪器的VISA地址。(步骤2中得到的)



9. 单击“开始”按钮以启动验证过程。
10. 将弹出一个确认对话框, 确认仪器存在MAC地址问题。



11. 单击“继续”按钮以启动MAC地址更新。
12. 将弹出一个对话框，指示更新成功。



13. 关闭Keysight VEE应用。

