Technical Note



Installing VISA for Remote Control

MS2690A/MS2691A/MS2692A Signal Analyzer

Technical Note - Installing VISA for Remote Control -

Anritsu

MS2690A/91A/92A

Signal Analyzer



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Slide 1

VISA Setup for PC Controller

 The VISA driver is installed in the PC controller to remote control the MS269xA over GPIB, Ethernet (TCP/IP) or USB.

- VISA: Virtual Instrument System Architecture

• This document describes how to set up NI-VISA.

- » Download from NI website.
- » Install in PC.
- » Set-up instrument connection.

Download from NI Website

- Download the latest version of NI-VISA from the NI website.
 - » ftp://ftp.ni.com/support/visa/drivers/win32/

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Install in PC

- Install NI-VISA in the PC controller.
 - » Run the downloaded .exe file (visa430full.exe).

Set-up Instrument Connection

- The USB and Ethernet interfaces are simpler to use than GPIB because most recent PC models have them.
- This document describes how to connect with an instrument over USB or Ethernet.



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 Connect the correct USB cable between the MS269xA and PC controller.



• Found New Hardware Wizard

» The Windows Found New Hardware Wizard is displayed automatically after making the USB connection.



Do you want to connect to Windows Update to search for software? (1) Select No, not now. (2) Click Next.

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Software Install Wizard



Choose the installation method.

(1) Select Install the software automatically. (Recommended)

(2) Click Next.

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New Software Installed



(1) Click Finish.

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Confirming Created VISA USB Resource » Start Measurement & Automation. •

🥸 US B0::0x0B5B::0x0006::620072394::INSTR - Measurement & Automation Explorer 📃 🗖 🔀				
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構成	🔜 VISAテストパネルを開く 📙 保存 💼 復元	🥠 ヘルプを表示		
 マイシステム デバイスとインタフェース ジリアル&パラレル アエ・PXEシステム(指定なし) や USBデバイス し、USBデバイス し、USB TOP/IPリソース ソフトウェア リモートシステム 				
	Martin Contraction Contracti			

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- Set the MS269xA IP address at Network Connection in Windows on the MS269xA.
 - » Example
 - IP Address:
 - 172.16.76.100
 - Subnet Mask:
 - 255.255.255.0
- Set the IP address of the PC controller.
 - » Example
 - IP Address:
 - 172.16.76.XXX. (XXX is an integer other than 100.)
 - Subnet Mask:
 - 255.255.255.0
- Connect the MS269xA and PC controller using a LAN cable (cross).

 Set NI-VISA using Measurement & Automation Explorer (MAX) to connect the instrument.
 » Start Measurement & Automation.



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New Setting Wizard



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New VISA TCP/IP Resource Wizard



(1) Select Auto-detect Instrument on LAN.(2) Click Next.

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Confirming Detected Instruments

新規VISA TCP/IPリソース作成	
Measuremen Automation	t & Explorer
	 ○ LAN計測器のアドレス情報をマニュアルで指定 ○ ローカルサブネット上で検出された計測器を選択 ステータス: ハくつかのVXI-11 LAN/LX計測器が見つかりました。1つ 以上のリソースを選択して「次へ」または「終了」をクリックし てください。 TCPIP0:172.16.76.100:inst0:INSTR
	□検索時に従来の非488.2デバイスを含む
	Uストを更新(B) すべてを選択(S) すべてを解除(D) (1) (ステム)

(1) Click Next.

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Creating Instrument Alias



- (1) Input the alias name.
- (2) Click Next.

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Creating New VISA TCP/IP Resource



(1) Click Finish.

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Confirming Created VISA TCP/IP Resource



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