# MAX

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MAX

LabVIEW RTMAXLabVIEW RT LabVIEW Real-Time Module Release and Upgrade NotesInstallation

NI <u>NI</u>

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- LabVIEW LabVIEW »LabVIEW LabVIEWRT
- LabVIEW Real-Time Module Release and Upgrade Notes
- <a href="http://ni.com/support/labview/real-timeLabVIEW">http://ni.com/support/labview/real-timeLabVIEW</a> RT
- NI-CAN User Manual

RT

NIni.comLabVIEW RT

http://ni.com/support

### LabVIEW RT

LabVIEW RT

### 1. LabVIEW RT

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### 4. <u>I/O</u>

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LabVIEW RT

### LabVIEW RT

LabVIEW RT

1. **LabVIEW RT**RTLabVIEW RTRTLabVIEW RTLabVIEW RTLabVIEW RTDIPBIOS



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d. **I/O** 

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LabVIEW RT

# LabVIEW RT

LabVIEW RT

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# LabVIEW RT

LabVIEW RT

#### LabVIEW RT

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	RTRTRTMAX
	RTLabVIEW RTRTMAXRT

#### RTLabVIEW RTRT LabVIEW RTUSBDIPBIOSLabVIEW RTUSB <u>RTU</u>

RT

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• Windows XP/2000Windows VistaU

MAX**»RT** MAX

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<u>PXI</u>

<u>PXI</u>

<u>PXI</u>

<u>IP</u>

PXILabVIEW RTWindows BIOSPXIBIOSWindowsBIOS BIOSRTPXIMAX

- RTPXI
- RTPXIBIOSPXI Halt OnAll, But KeyboardStandard
   CMOS SetupHalt OnBIOSPXI

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**ULabVIEW RTUSB** 

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- USB
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- 1. Windows»National Instruments»Measurement & Automation Explorer
- 2. UUSB
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- 5.
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- 3. IPDNSIPIPIP 0.0.0.0
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Windows XP/2000Windows Vista



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- 1.
- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. »RT»PXI
- 4. **PXI**
- 5.
- 6. LabVIEW RT PXI

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Windows XP/2000Windows Vista

PCPXI

- 1.
- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. »RT»PXI
- 4. **PXI**
- 5.
- 6. LabVIEW RT PXI

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PXIMAX



Windows XP/2000Windows Vista

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PCPXI

- 1.
- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. »RT»PXI
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- 5.
- 6. LabVIEW RT PXI

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Windows XP/2000Windows Vista <u>U</u>\_\_\_\_

PXI

- 1.
- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. **»RT»**
- 4.
- 5.
- 6. LabVIEW RT



LabVIEW RTWindowsLabVIEW RT



Windows XP/2000Windows Vista

PCPXI

- 1.
- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. **»RT»**
- 4.
- 5.
- 6. LabVIEW RT

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Windows XP/2000Windows Vista \_\_\_\_\_

PCPXI

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- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. **»RT»**
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- 5.
- 6. LabVIEW RT

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- 1.
- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. **»RT»**
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- 5.
- 6. LabVIEW RT

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- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. »RT»IP
- 4. **IP**
- 5.
- 6. LabVIEW RT IP

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- 1. RTIP
- 2. IP
- 3. RT

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LabVIEW RTIP



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- 2. Windows»National Instruments»Measurement & Automation ExplorerMAX
- 3. **»RT»**

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- 5.
- 6. LabVIEW RT

- 1. RT
- 2. RT
- 3. RT
- 4. RT

MAXRT

CAT-5

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#### IPCAT-5DHCPDHCP

- 1. Windows
  - Windows Vista
- »Internet»»
- Windows XP »
- Windows 2000 »»

2.

- 3. Internet(TCP/IP)Windows Vista Internet4(TCP/IPv4)
- 4. **IP**IP

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<u>IP</u>

### MAX

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IP <u>IP</u>

RT

- 1. MAX
  - 169.254.*x*.*x*) 0.0.0.0

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IP IP

• **IP**IP2-30-255

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- 255.255.255.0
- IP
- **DNS**DNSIPIP

<u>IP</u> MAX

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 255.255.0.0IP

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 255.255.0

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 0.0.0.0

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# TCP/IP

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DHCPTCP/IP

- **IP**IPIP2 255
- **Socket**DDPFTPLabVIEW20 65534
- 1-10000 ms
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- RT
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TCP/IPDDPDDP

TCP/IP

- RT
- RTRT
- RTRT
- Gigabit 1,000 Mbps1Gb
- **100** 100Mbps
- **10** 10Mbps
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- TCP/IP TCP/IP
- TCP/IP
- IPIP TCP/IPIPIP
- **TCP/IP**TCP/IPDHCP EtherCAT
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- MAC MAC

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#### LabVIEW RT LabVIEWVI

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- RAM
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IPLabVIEW RT RTLabVIEW RTRT **Connected-Running** RTWindowsLabVIEW RTLabVIEW RTLabVIEW RT LabVIEW RT

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- 2. *I* LabVIEW RTRTLabVIEW RT
- 3. <u>LabVIEW RT</u>

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LabVIEW RT

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2. RT RT

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# LabVIEW RTVISA/PXI

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MAX

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### Windows

WindowsMAX

- Microsoft Windows XP, Service Pack 1 (SP1)Microsoft Windows XP Internet(ICF)ICFLabVIEW RTInternet
  - 1. »»
  - 2.
  - 3.
  - 4. Internet
- Microsoft Windows XP Service Pack 2 (SP2)
   Microsoft Windows Vista
   WindowsLabVIEW RT
   MAXLabVIEW RT

MAXWindows XP SP1InternetNI <u>2WTAMTPK</u>Windows XP SP2NI ni.com/info<u>winxpsp2</u>Microsoft Windows VistaNI <u>ni.com/vista</u>



InternetWindows

LabVIEW RTNI RT

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# NI-DAQ(Legacy)

NI PXINI-DAQ (Legacy)LabVIEW RT

- 1. RTPXI
- 2. C:\ni-rt\system\niconfig.daqNI-DAQ (Legacy)
- 3.
- 4. DAQSCXIDAQPXIPXI-10108PXI-10114
  - a. MAX »NI-DAQ (Legacy)»DAQ IP
  - b. DAQNI-DAQ (Legacy)DAQ
  - c. DAQ RDADAQLabVEIW RTVIEDAQ VI
- 5. NI-DAQ (Legacy)SCXI DAQMAX »NI-DAQ (Legacy)» DAQ IP
  - a. **DAQ SCXI**
  - b. SCXI
  - C.
  - d. **ID**IDPXI-1010DIPPXI-1011DIP
  - e. **SCXI** C:\ni-rt\systemRTpxisys.iniDAQSCXI
  - f. niconfig,daq

SCXI	ni.com/support <u>RTSCXI</u> SCXI	ni.com/supp
<u>SCXI</u>		

- 6. SCXI RT
  - a. 4RDADAQSCXI

b.

# **RDANI-DAQ (Legacy)**

RDANI-DAQ (Legacy)

- 1. »NI-DAQ (Legacy)
- 2.
- 3. "/IP"IP



4. 5. 6.  $\overline{\mathbb{N}}$ 



- 7.
- 8. RTMeasurement & Automation Explorer Help for Traditional NI-DAQ Creating Virtual ChannelsMAX»»NI-DAQ