




Hello Daryl (This is not me)

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## What Ports Do I Need to Open on My Firewall for National Instruments Software Products?

**Primary Software:** LabVIEW Development Systems

**Primary Software Version:** 2011

**Primary Software Fixed Version:** N/A

**Secondary Software:** Measurement Studio, Lookout, LabVIEW Modules>>LabVIEW Real-Time Module, LabVIEW Modules>>LabVIEW DSC Module

**Hardware:** FieldPoint>>Controllers/Network Modules, Compact FieldPoint>>Controllers, CompactRIO>>Controllers, GPIB>>External Controllers/Convertors>>GPIB-ENET, Instrument Connectivity Other>>Ethernet>>GPIB-ENET, GPIB>>External Controllers/Convertors>>GPIB-ENET/100, Instrument Connectivity Other>>Ethernet>>GPIB-ENET/100, Serial>>RS-485>>ENET-485/2, Instrument Connectivity Other>>Ethernet>>ENET-485/2, Serial>>RS-485>>ENET-485/4, Instrument Connectivity Other>>Ethernet>>ENET-485/4, Serial>>RS-232>>ENET-232/2, Instrument Connectivity Other>>Ethernet>>ENET-232/2, Instrument Connectivity Other>>Ethernet>>ENET-232/4, Serial>>RS-232>>ENET-232/4

### Problem:

I am configuring my network, firewall, or router. What ports are used by National Instruments products?

### Solution:

The Ports are listed by product and need to be combined for all products being used.

Software	Ports
DataSocket	3015
GPIB ENET/100	5000, 5003, 5005, 5015, and 44516 - <a href="#">NI-488.2 Help</a>
GPIB ENET/1000	5000, 5003, 5005, 5015, and 5354 - <a href="#">NI-488.2 Help</a>
ENET-232	5225
ENET-485	5225
LabVIEW	3015 - DataSocket and Front Panel DataSocket
	3079 - LabVIEW RT TCP Front Panel Connections
	3363 - VI Server
	3537 - VISA Server
	3580 - System Web Server / <a href="#">NI Service Locator</a> (including FPGA Compile Farm Server)
	8000 - Remote Front Panel Web Server
	8080 - Application Web Server
	LabVIEW DSC - <a href="#">See KB 3T9B75XL</a>
	Shared Variable - <a href="#">See KB 3T9B75XL</a>
VeriStand	2040, 2050: Engine communication
	6012: Simulink®
	56432, 56431: UDP communication (These are the default ports. The user could change them in Tools»Options)
	Note: VeriStand also uses the FTP ports.
Lookout	Logos Communication - <a href="#">See KB 3T9B75XL</a>
FTP	20 and 21 (Active FTP mode only)
MAX	44525 - Ethernet Target Device Discover

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