
LabVIEW NXG Supported Hardware

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Supported Hardware and Drivers

This product supports the following hardware:

- [Data Acquisition and Control](#)
- [Electronic Test and Instrumentation](#)
- [Platform Components](#)
- [Software Defined Radio](#)

This product supports the following NI drivers:

- FlexRIO with Modular I/O
- IVI Compliance Package
- NI-488.2
- NI CompactRIO
- NI-DAQmx
- NI-DCPower
- NI-Digital
- NI-DMM
- NI-FGEN
- NI-HSDIO
- NI-IMAQdx
- NI-ModInst
- NI-SCOPE
- NI-Serial
- NI-SWITCH
- NI-Sync
- NI-TClk
- NI-USRP
- NI-VISA
- NI-XNET
- PXI Platform Services

This product also supports a number of third-party instrument drivers, which are available through the [NI Store](#).

Data Acquisition and Control

This product supports the following data acquisition and control hardware:

- [Analog Input Devices and Modules](#)
- [Analog Output Devices and Modules](#)
- [CompactRIO Controllers](#)
- [Counter/Timer Devices and Modules](#)
- [Digital I/O Devices and Modules](#)
- [Digitizer Modules](#)
- [Displacement Input Modules](#)
- [Multifunction I/O Devices and Modules](#)
- [myDAQ - Student Data Acquisition Devices](#)
- [Sound and Vibration Devices and Modules](#)
- [Strain/Bridge Input Devices and Modules](#)
- [Temperature Input Devices and Modules](#)
- [User Interface Modules](#)

Analog Input Devices and Modules

This product supports the following C Series Current Input Modules:

- NI 9203 (Screw Terminal/Spring Terminal)
- NI 9208 (DSUB/Spring Terminal)
- NI 9227 (Screw Terminal)
- NI 9246 (Ring Lug)
- NI 9247 (Ring Lug)
- NI 9253 (Screw Terminal)

This product supports the following C Series Universal Analog Input Modules:

- NI 9218 (DSUB/LEMO)
- NI 9219 (Spring Terminal)

This product supports the following C Series Voltage and Current Input Module:

- NI 9207 (DSUB/Spring Terminal)

This product supports the following C Series Frequency Input Module:

- NI 9326

This product supports the following C Series Voltage Input Modules:

- NI 9201 (DSUB/Screw Terminal/Spring Terminal)
- NI 9202 (DSUB/Spring Terminal)
- NI 9205 (DSUB/Spring Terminal)
- NI 9206 (Spring Terminal)
- NI 9209 (DSUB/Spring Terminal)
- NI 9215 (BNC/Screw Terminal)
- NI 9220 (DSUB/Spring Terminal)
- NI 9221 (DSUB/Screw Terminal/Spring Terminal)
- NI 9222 (BNC/Screw Terminal)
- NI 9223 (BNC/Screw Terminal)
- NI 9224 (Spring Terminal)
- NI 9225 (Screw Terminal)
- NI 9228 (Screw Terminal)
- NI 9229 (BNC/Screw Terminal)
- NI 9238 (Screw Terminal)
- NI 9239 (BNC/Screw Terminal)
- NI 9242 (Screw Terminal)
- NI 9244 (Screw Terminal)
- NI 9251 (Mini-XLR)
- NI 9252 (DSUB/Spring Terminal)

This product supports the following PXI Analog Input Modules:

- PXIe-4300
- PXIe-4302
- PXIe-4303
- PXIe-4304
- PXIe-4305
- PXIe-4309
- PXIe-4310
- PXIe-4481

This product supports the following Voltage Input Device for FieldDAQ:

- FD-11601
- FD-11603
- FD-11605

Analog Output Devices and Modules

This product supports the following Analog Output Devices:

- PCI-6703
- PCI-6704
- PCI-6711
- PCI-6713
- PCI-6722
- PCI-6723
- PCI-6731
- PCI-6733
- PCIe-6738

This product supports the following C Series Current Output Modules:

- NI 9265 (Screw Terminal/Spring Terminal)
- NI 9266 (DSUB/Screw Terminal)

This product supports the following C Series Voltage Output Modules:

- NI 9260 (BNC/Mini-XLR)
- NI 9262 (DSUB)
- NI 9263 (Screw Terminal/Spring Terminal)
- NI 9264 (DSUB/Spring Terminal)
- NI 9269 (Screw Terminal)

This product supports the following PXI Analog Output Modules:

- PXI-6704
- PXI-6711
- PXI-6713

- PXI-6722
- PXI-6723
- PXI-6733
- PXIe-4322
- PXIe-6738
- PXIe-6739

CompactRIO Controllers

This product supports the following [CompactRIO Controllers](#).

- cRIO-9040
- cRIO-9041
- cRIO-9042
- cRIO-9043
- cRIO-9045
- cRIO-9046
- cRIO-9047
- cRIO-9048
- cRIO-9049
- cRIO-9053
- cRIO-9054
- cRIO-9055
- cRIO-9057
- cRIO-9058

Counter/Timer Devices and Modules

This product supports the following C Series Counter Digital Input Module:

- NI 9361 (DSUB)

This product supports the following Counter/Timer Devices:

- PCI-6601
- PCI-6602
- PCI-6624

- PCIe-6612

This product supports the following PXI Counter/Timer Modules:

- PXI-6602
- PXI-6608
- PXI-6624
- PXIe-6612
- PXIe-6614

Digital I/O Devices and Modules

This product supports the following C Series Digital Modules:

- NI 9375 (DSUB/Spring Terminal)
- NI 9401 (DSUB)
- NI 9402 (BNC)
- NI 9403 (DSUB)
- NI 9411 (DSUB)
- NI 9421 (DSUB/Screw Terminal/Spring Terminal)
- NI 9422 (Screw Terminal)
- NI 9423 (Screw Terminal/Spring Terminal)
- NI 9425 (DSUB/Spring Terminal)
- NI 9426 (DSUB)
- NI 9435 (Screw Terminal)
- NI 9436 (Screw Terminal)
- NI 9437 (Screw Terminal/Spring Terminal)
- NI 9472 (DSUB/Screw Terminal/Spring Terminal)
- NI 9474 (Screw Terminal/Spring Terminal)
- NI 9475 (DSUB)
- NI 9476 (DSUB/Spring Terminal)
- NI 9477 (DSUB)
- NI 9478 (DSUB)

This product supports the following C Series Relay Output Modules:

- NI 9481 (Screw Terminal)

- NI 9482 (Screw Terminal/Spring Terminal)
- NI 9485 (Screw Terminal)

This product supports the following Digital I/O Devices:

- PCI-6503
- PCI-6509
- PCI-6510
- PCI-6511
- PCI-6512
- PCI-6513
- PCI-6514
- PCI-6515
- PCI-6516
- PCI-6517
- PCI-6518
- PCI-6519
- PCI-6520
- PCI-6521
- PCI-6528
- PCI-6534
- PCI-DIO-32HS
- PCI-DIO-96
- PCIe-6509
- PCIe-6535
- PCIe-6535B
- PCIe-6536
- PCIe-6536B
- PCIe-6537
- PCIe-6537B
- USB-6501 (Screw Terminal)
- USB-6509 (Mass Termination)
- USB-6525 (Screw Terminal)

This product supports the following PXI Digital I/O Modules:

- PXI-6508
- PXI-6509

- PXI-6511
- PXI-6512
- PXI-6513
- PXI-6514
- PXI-6515
- PXI-6521
- PXI-6528
- PXI-6529
- PXI-6533
- PXI-6534
- PXIe-6509
- PXIe-6535
- PXIe-6535B
- PXIe-6536
- PXIe-6536B
- PXIe-6537
- PXIe-6537B

Digitizer Modules

This product supports the following C Series Digitizer Module:

- NI 9775 (BNC)

Displacement Input Modules

This product supports the following PXI Displacement Input Modules:

- PXIe-4340

Multifunction I/O Devices and Modules

This product supports the following Multifunction I/O Devices:

- PCI-6110
- PCI-6111

- PCI-6115
 - PCI-6120
 - PCI-6122
 - PCI-6123
 - PCI-6132
 - PCI-6133
 - PCI-6143
 - PCI-6154
 - PCI-6220
 - PCI-6221
 - PCI-6224
 - PCI-6225
 - PCI-6229
 - PCI-6230
 - PCI-6232
 - PCI-6233
 - PCI-6236
 - PCI-6238
 - PCI-6239
 - PCI-6250
 - PCI-6251
 - PCI-6254
 - PCI-6255
 - PCI-6259
 - PCI-6280
 - PCI-6281
 - PCI-6284
 - PCI-6289
-
- PCIe-6251
 - PCIe-6259
 - PCIe-6251
 - PCIe-6320
 - PCIe-6321
 - PCIe-6323
 - PCIe-6341
 - PCIe-6343

- PCIe-6351
 - PCIe-6353
 - PCIe-6361
 - PCIe-6363
 - PCIe-6374
 - PCIe-6376
-
- USB-6000 (Screw Terminal)
 - USB-6001 (Screw Terminal)
 - USB-6002 (Screw Terminal)
 - USB-6003 (Screw Terminal)
 - USB-6008 (Screw Terminal)
 - USB-6009 (Screw Terminal)
 - USB-6210 (Screw Terminal)
 - USB-6211 (Screw Terminal)
 - USB-6212 (Screw Terminal/BNC/Mass Termination)
 - USB-6215 (Screw Terminal)
 - USB-6216 (Screw Terminal/BNC/Mass Termination)
 - USB-6218 (Screw Terminal/BNC)
 - USB-6221 (Screw Terminal/BNC)
 - USB-6225 (Screw Terminal/BNC/Mass Termination)
 - USB-6229 Screw Terminal/BNC
 - USB-6251 (Screw Terminal/BNC/Mass Termination)
 - USB-6255 (Screw Terminal/BNC/Mass Termination)
 - USB-6259 (Screw Terminal/BNC/Mass Termination)
 - USB-6281 (Screw Terminal/Mass Termination)
 - USB-6289 (Screw Terminal/BNC/Mass Termination)
 - USB-6341 (Screw Terminal/BNC)
 - USB-6343 (Screw Terminal/BNC)
 - USB-6346 (Screw Terminal/BNC)
 - USB-6349 (Screw Terminal)
 - USB-6351 (Screw Terminal)
 - USB-6353 (Screw Terminal)
 - USB-6356 (Screw Terminal)
 - USB-6361 (Screw Terminal/BNC/Mass Termination)
 - USB-6363 (Screw Terminal/BNC/Mass Termination)
 - USB-6366 (Screw Terminal/BNC/Mass Termination)

This product supports the following PXI Multifunction I/O Modules:

- PXI-6115
 - PXI-6120
 - PXI-6122
 - PXI-6123
 - PXI-6132
 - PXI-6133
 - PXI-6143
 - PXI-6220
 - PXI-6221
 - PXI-6224
 - PXI-6225
 - PXI-6229
 - PXI-6230
 - PXI-6232
 - PXI-6233
 - PXI-6236
 - PXI-6238
 - PXI-6239
 - PXI-6250
 - PXI-6251
 - PXI-6254
 - PXI-6255
 - PXI-6259
 - PXI-6280
 - PXI-6281
 - PXI-6284
 - PXI-6289
-
- PXIe-6124
 - PXIe-6251
 - PXIe-6259
 - PXIe-6341
 - PXIe-6345
 - PXIe-6355
 - PXIe-6356
 - PXIe-6358

- PXIe-6361
- PXIe-6363
- PXIe-6365
- PXIe-6366
- PXIe-6368
- PXIe-6375
- PXIe-6376
- PXIe-6378
- PXIe-6386
- PXIe-6396

myDAQ - Student Data Acquisition Devices

This product supports the following myDAQ - Student Data Acquisition Device:

- myDAQ

Sound and Vibration Devices and Modules

This product supports the following C Series Sound and Vibration Input Modules:

- NI 9230 (BNC/Screw Terminal)
- NI 9231 (10-32 Coaxial)
- NI 9232 (BNC/Screw Terminal)
- NI 9234 (BNC)
- NI 9250 (BNC)

This product supports the following PXI Sound and Vibration Modules:

- PXI-4461
- PXI-4465
- PXI-4495
- PXI-4496
- PXI-4498
- PXIe-4463
- PXIe-4464
- PXIe-4480

- PXIe-4492
- PXIe-4496
- PXIe-4497
- PXIe-4498
- PXIe-4499

This product supports the following Sound and Vibration Input Device for FieldDAQ:

- FD-11634

This product supports the following Sound and Vibration Devices:

- PCI-4461
- PCI-4474
- USB-4431 (BNC)
- USB-4432 (BNC)

Strain/Bridge Input Devices and Modules

This product supports the following C Series Strain/Bridge Input Modules:

- NI 9235 (Spring Terminal)
- NI 9236 (Spring Terminal)
- NI 9237 (DSUB/RJ50)

This product supports the following PXI Strain/Bridge Input Modules:

- PXIe-4330
- PXIe-4331
- PXIe-4339

This product supports the following Strain/Bridge Input Devices for FieldDAQ:

- FD-11637

Temperature Input Devices and Modules

This product supports the following C Series Temperature Input Modules:

- NI 9210 (Mini-TC/Spring Terminal)
- NI 9211 (Screw Terminal)
- NI 9212 (Mini-TC/Screw Terminal)
- NI 9213 (Spring Terminal)
- NI 9214 (Screw Terminal)
- NI 9216 (DSUB/Spring Terminal)
- NI 9217 (Screw Terminal/Spring Terminal)
- NI 9226 (DSUB/Spring Terminal)

This product supports the following PXI Temperature Input Modules:

- PXIe-4353
- PXIe-4357

This product supports the following Temperature Input Device:

- USB-TC01

This product supports the following Temperature Input Devices for FieldDAQ:

- FD-11613
- FD-11614

User Interface Modules

This product supports the following C Series User Interface Module:

- NI 9344 (User Switch)

Electronic Test and Instrumentation

This product supports the following electronic test and instrumentation hardware:

- [Amplifiers](#)
- [Digital Instruments](#)

- [Digital Multimeters](#)
- [Digital Pattern Instruments](#)
- [Oscilloscopes](#)
- [Power Supplies](#)
- [Source Measure Units](#)
- [Switches](#)
- [Waveform Generators](#)

Amplifiers

This product supports the PXIe-4610PXI Amplifier Module.

Digital Instruments

This product supports the following Digital Waveform Devices:

- PCI-6541
- PCI-6542
- PCI-6551
- PCI-6552
- PCI-6561
- PCI-6562

This product supports the following PXI Digital Waveform Instruments:

- PXI-6541
- PXI-6542
- PXI-6551
- PXI-6552
- PXI-6561
- PXI-6562
- PXIe-6544
- PXIe-6545
- PXIe-6547
- PXIe-6548
- PXIe-6555

- PXIe-6556

Digital Multimeters

This product supports the following PXI Digital Multimeters:

- PXI-4065
- PXI-4070
- PXI-4071
- PXI-4072
- PXIe-4080
- PXIe-4081
- PXIe-4082

This product supports the following Digital Multimeter Devices:

- PCI-4065
- PCI-4070
- PCIe-4065
- USB-4065

PXI Digital Pattern Instruments

This product supports the following Digital Pattern Instruments:

- PXIe-6570
- PXIe-6571

Oscilloscopes

This product supports the following PXI Oscilloscopes:

- PXI-5105
- PXIe-5105
- PXIe-5110
- PXIe-5111

- PXIe-5113
- PXI-5114
- PXIe-5114
- PXI-5122
- PXIe-5122
- PXI-5124
- PXI-5142
- PXI-5152
- PXI-5153
- PXI-5154
- PXI-5922
- PXIe-5160
- PXIe-5162
- PXIe-5163
- PXIe-5164
- PXIe-5170
- PXIe-5171
- PXIe-5172
- PXIe-5185
- PXIe-5186

This product supports the PXIe-5622PXI IF Digitizer.

This product supports the following Oscilloscope Devices:

- PCI-5105
- PCI-5114
- PCI-5122
- PCI-5124
- PCI-5142
- PCI-5152
- PCI-5153
- PCI-5154
- PCI-5922
- USB-5132
- USB-5133

Power Supplies

This product supports the following PXI Programmable Power Supplies:

- PXI-4110
- PXIe-4112
- PXIe-4113
- PXIe-4154

Source Measure Units

This product supports the following PXI Source Measure Units:

- PXI-4130
- PXI-4132
- PXIe-4135
- PXIe-4136
- PXIe-4137
- PXIe-4138
- PXIe-4139
- PXIe-4140
- PXIe-4141
- PXIe-4142
- PXIe-4143
- PXIe-4144
- PXIe-4145
- PXIe-4147
- PXIe-4162
- PXIe-4163

Switches

This product supports the following Matrix Modules for SwitchBlock:

- SWB-2810
- SWB-2811

- SWB-2812
- SWB-2813
- SWB-2814
- SWB-2815
- SWB-2816
- SWB-2817
- SWB-2833
- SWB-2834

This product supports the PXI-2800PXI Carrier Module for SwitchBlock.

This product supports the following PXI Matrix Switch Modules:

- PXI-2529
- PXIe-2529
- PXI-2530
- PXI-2530B
- PXI-2531
- PXIe-2531
- PXI-2532
- PXIe-2532
- PXI-2532B
- PXIe-2532B
- PXI-2533
- PXI-2534
- PXI-2535
- PXI-2536
- PXIe-2737
- PXIe-2738
- PXIe-2739

This product supports the following PXI Multiplexer Switch Modules:

- PXI-2501
- PXI-2503
- PXIe-2524
- PXIe-2525
- PXIe-2526

- PXI-2527
- PXIe-2527
- PXI-2575
- PXIe-2575
- PXI-2576
- PXI-2584
- PXI-2585
- PXIe-2746
- PXIe-2747
- PXIe-2748

This product supports the following PXI Programmable Resistor Modules:

- PXI-2720
- PXI-2722
- PXIe-2725
- PXIe-2727

This product supports the PXI-2567PXI Relay Driver Module.

This product supports the following PXI Relay Modules:

- PXI-2520
- PXI-2521
- PXI-2522
- PXI-2523
- PXI-2564
- PXI-2565
- PXI-2566
- PXI-2568
- PXI-2569
- PXIe-2569
- PXI-2570
- PXI-2571
- PXI-2586

This product supports the following PXI RF Matrix Switch Modules:

- PXI-2540
- PXIe-2540
- PXI-2541
- PXIe-2541

This product supports the following PXI RF Multiplexer Switch Modules:

- PXI-2543
- PXIe-2543
- PXI-2544
- PXIe-2544
- PXI-2545
- PXI-2546
- PXI-2547
- PXI-2554
- PXI-2555
- PXI-2556
- PXI-2557
- PXI-2590
- PXI-2591
- PXI-2593
- PXIe-2593
- PXI-2594
- PXI-2595
- PXI-2596
- PXI-2597
- PXI-2796
- PXI-2797

This product supports the following RF Relay Modules:

- PXI-2542
- PXIe-2542
- PXI-2548
- PXI-2549
- PXI-2558
- PXI-2559
- PXI-2599

- PXI-2799

This product supports the following PXI Signal Insertion Switch Modules:

- PXI-2510
- PXI-2512
- PXIe-2512
- PXI-2514
- PXIe-2514
- PXI-2515
- PXIe-2515

This product supports the following PXI Transfer Switch Modules:

- PXI-2598
- PXI-2798
- PXIe-2790 (RF Combiner)

Waveform Generators

This product supports the following PXI Waveform Generators:

- PXI-5402
- PXI-5404
- PXI-5406
- PXI-5412
- PXI-5421
- PXI-5422
- PXI-5441
- PXIe-5413
- PXIe-5423
- PXIe-5433
- PXIe-5442
- PXIe-5450
- PXIe-5451

This product supports the following Waveform Generator Devices:

- PCI-5402
- PCI-5406
- PCI-5412
- PCI-5421

Software Defined Radio

This product supports the following software defined radio hardware:

- [USRP](#)

USRP

This product supports the following USRP Software Defined Radio Reconfigurable Devices:

- USRP-2940
- USRP-2942
- USRP-2943
- USRP-2944
- USRP-2950
- USRP-2952
- USRP-2953
- USRP-2954

Platform Components

This product supports the following platform components:

- [CompactDAQ Chassis](#)
- [PXI Platform Components](#)

CompactDAQ Chassis

This product supports the following CompactDAQ Chassis:

- cDAQ-9171
- cDAQ-9174
- cDAQ-9178
- cDAQ-9179

- cDAQ-9181
- cDAQ-9184
- cDAQ-9185
- cDAQ-9188/9188XT
- cDAQ-9189
- cDAQ-9191

PXI Platform Components

Support for Exporting Hardware Configurations

This product may not support deploying entire PXI chassis configurations. Unsupported configurations may include:

- Static PXI trigger routing configured in MAX.
- PXI chassis manually identified in MAX.

Support for deploying these and other configurations ultimately depends on the PXI Platform Services driver version installed and may be noted in the corresponding readme.

PXI Hardware Support

This product supports the following PXI Chassis:

- PXI-1031
- PXI-1031DC¹
- PXI-1036
- PXI-1036DC¹
- PXI-1042
- PXI-1042Q
- PXI-1044

- PXI-1045
- PXI-1050
- PXI-1052
- PXIe-1062Q
- PXIe-1065
- PXIe-1066DC
- PXIe-1071
- PXIe-1075
- PXIe-1078
- PXIe-1082
- PXIe-1082DC
- PXIe-1084
- PXIe-1085
- PXIe-1085 24Gbps
- PXIe-1086
- PXIe-1088
- PXIe-1092
- PXIe-1095

This product supports the following PXI Controllers:

- PXI-8119¹
- PXI-8820¹
- PXI-8840
- PXI-8840 QuadCore
- PXIe-8115¹
- PXIe-8133¹
- PXIe-8135
- PXIe-8820¹
- PXIe-8821
- PXIe-8840
- PXIe-8840 QuadCore
- PXIe-8861
- PXIe-8880

This product supports the following PXI Remote Control Modules:

- PCI-8361
- PCI-8366
- PCIe-8361
- PCIe-8362
- PCIe-8371
- PCIe-8375
- PCIe-8381
- PCIe-8388
- PCIe-8398
- PXI-8360
- PXI-8364
- PXI-8367
- PXI-8368
- PXIe-8301
- PXIe-8360
- PXIe-8364
- PXIe-8370
- PXIe-8374
- PXIe-8375
- PXIe-8381
- PXIe-8384
- PXIe-8388
- PXIe-8389
- PXIe-8394
- PXIe-8398
- PXIe-8399

This product supports the following PXI Synchronization Modules:

- PXI-6683
- PXI-6683H
- PXIe-6672
- PXIe-6674
- PXIe-6674T

¹This product appears in SystemDesigner Live View only.