

PATENT NOTICE

National Instruments Patents

With respect to the National Instruments product(s) being used, the following patents may apply:

LabVIEW

The LabVIEW software is covered by one or more of the following Patents:

United States Patent No(s): 5,475,851; 5,481,740; 5,481,741; 5,497,500;
5,504,917; 5,583,988; 5,610,828; 5,652,909; 5,732,277; 5,734,863; 5,737,622; 5,764,546;
5,784,275; 5,821,934; 5,847,953; 5,905,649; 5,920,479; 5,966,532; 5,974,254; 5,987,246;
5,990,906; 6,053,951; 6,064,409; 6,064,812; 6,064,816; 6,102,965; 6,138,270; 6,173,438;
6,282,699; 6,370,569; 6,437,805; 6,526,566; 6,690,981; 6,751,653; 6,802,053; 6,874,148;
6,880,130; 6,954,904; 6,971,065; 6,976,222; 6,990,652; 7,000,190; 7,017,123; 7,024,631;
7,028,222; 7,043,693; 7,043,696; 7,058,899; 7,069,517; 7,076,740; 7,076,411; 7,120,874;
7,120,876; 7,120,877; 7,134,081; 7,134,085; 7,134,086; 7,152,116; 7,159,183; 7,185,287;
7,200,817; 7,200,838; 7,210,117; 7,213,207; 7,216,334; 7,287,230; 7,293,112; 7,302,675;
7,331,037; 7,340,684; 7,340,737; 7,356,774; 7,367,028; 7,376,904; 7,444,595; 7,451,436;
7,478,337; 7,478,349; 7,480,906; 7,484,200; 7,506,304; 7,512,931; 7,523,441; 7,530,052;
7,533,347; 7,543,281; 7,559,032; 7,565,609; 7,568,172; 7,574,690; 7,593,944; 7,603,652;
7,606,950; 7,624,375; 7,624,375; 7,631,295; 7,647,578; 7,650,594; 7,669,185; 7,689,727;
7,689,917; 7,701,869; 7,703,027; 7,703,034; 7,725,877; 7,730,450; 7,743,335; 7,743,362;
7,761,846; 7,761,847; 7,765,278; 7,765,493; 7,793,273; 7,802,229; 7,831,680; 7,836,426;
7,840,904; 7,844,908; 7,844,911; 7,913,170; 7,954,082; 7,954,097; 7,975,228; 7,979,841;
RE42,579; 8,015,542; 8,028,241; 8,028,242; 8,037,369; 8,046,739; 8,074,177; 8,074,203;
8,078,980; 8,117,588; 8,122,058; 8,136,088; 8,146,007; 8,146,053; 8,151,218; 8,151,244;
8,176,471; 8,185,834; 8,185,835; 8,204,951; 8,205,161; 8,205,162; 8,205,188; 8,214,796;
8,271,943; 8,291,329; 8,307,330; 8,356,290; 8,359,567; 8,375,355; 8,381,174; 8,392,878;
8,397,205; 8,429,548; 8,429,552; 8,429,627; 8,438,550; 8,448,135; 8,448,155; 8,458,682;
8,478,967; 8,479,109; 8,479,218; 8,490,067; 8,510,709; 8,516,436; 8,533,670; 8,533,738;
8,533,739; 8,539,367; 8,539,505; 8,612,870; 8,612,871; 8,640,112; 8,769,549; 8,782,596;
8,799,865; 8,943,469; 9,026,987; 9,081,583; 9,098,164; 9,098,307; 9,110,558; 9,135,143;
9,189,209; 9,189,215; 9,201,633; 9,310,975; 9,310,975; 9,335,977; 9,411,920; 9,483,304;
9,626,233; 9,652,213; 9,690,550; 9,733,914; 9,753,835; 9,870,206; 9,898,267; 9,921,815;
9,977,563; 9,977,564; 9,983,852; 10,216,495; 10,241,764; 10,467,059

European Patent No(s): 1,216,441; 1,530,756; 1,660,994; 1,665,034; 1,787,196;
2,003,549; 2,880,530; 3,058,683; 2,057,541

Chinese Patent No(s): ZI201380041185.4

LabVIEW FPGA Software/Hardware

The LabVIEW FPGA software and hardware is covered by one or more of the following Patents:

U.S. Patent No(s): 6,219,628; 6,311,149; 6,584,601; 6,608,638; 6,934,667;
6,934,668; 6,954,724; 6,961,686; 6,983,228; 6,993,466; 7,010,470; 7,016,811; 7,024,660;
7,028,222; 7,085,670; 7,089,466; 7,152,027; 7,177,786; 7,290,244; 7,316,009; 7,336,631;

7,558,711; 7,565,280; 7,594,226; 7,650,264; 7,379,777; RE41,228; 7,689,727;
7,707,014; 7,865,349; 7,945,895; 8,122,238; 8,176,479; 8,291,390; 8,397,214; 8,423,977;
8,423,981; 8,453,111; 8,458,653; 8,478,967; 8,539,440; 8,612,870; 8,656,345; 8,756,565;
8,762,589; 8,935,661; 9,081,583; 9,135,131; 9,135,143; 9,176,931; 9,189,215; 9,201,849;
9,235,395; 9,411,920; 9,436,438; 9,690,550; 9,733,914; 9,753,835; 9,880,030; 9,904,523;
9,935,637; 10,235,477; 10,374,456; 10,629,161; 11,604,747
European Patent No(s): 1,987,403; 2,815,318; 1,991,938
Chinese Patent No(s): ZL201380019995.X

LabVIEW Real Time

The LabVIEW Real Time (LabVIEW-RT) software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,173,438; 6,715,139; 6,961,686; 6,993,466; 7,028,222;
7,168,072; 7,379,777; 7,565,654; 7,568,198; 8,423,981; 8,612,870; 8,856,415; 8,943,505;
9,361,155; 9,460,036; 9,477,624

European Patent No(s): 1987403

LabVIEW Signal Processing Toolset

The LabVIEW Signal Processing Toolset is covered by one or more of the following Patents:

U.S. Patent No(s): 5,353,233; 6,108,609; 6,434,515; 6,697,766; 6,882,958;
6,965,068

LabVIEW Datalogging and Supervisory Control Module

The LabVIEW Datalogging and Supervisory Control Module is covered by one or more of the following Patents:

U.S. Patent No(s): 5,966,532; 6,053,951; 6,411,987; 6,505,247; 6,721,677;
6,745,175; 7,383,315

NI Sound and Vibration Measurement Suite

The NI Sound and Vibration Measurement Suite is covered by one or more of the following Patents:

U.S. Patent No(s): 6,721,673; 6,775,629; 7,124,042; 8,108,166; 9,128,132;
9,188,611

LabVIEW Spectral Measurements Toolkit

The LabVIEW Spectral Measurements Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 6,721,673; 6,775,629

LabVIEW PID Control Toolset

The LabVIEW PID Control Toolset is covered by one or more of the following Patents:

U.S. Patent No(s): 6,081,751; 6,317,637

LabVIEW VI Analyzer Toolkit

The LabVIEW VI Analyzer Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 7,650,574; 7,650,594; 8,316,311; 8,327,280

LabVIEW Statechart Module

The LabVIEW Statechart Module is covered by one or more of the following Patents:

U.S. Patent No(s): 7,694,273; 7,818,716; 7,882,445; 8,099,712; 8,108,833; 8,266,584; 8,387,002; 8,458,667; 8,479,151; 8,640,100; 9,047,168; 9,250,894; 10,019,339; 10,235,265

LabVIEW State Machine Toolkit

The LabVIEW State Machine Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 7,882,490; 7,882,491

NI Sound and Vibration Measurement Suite

The NI Sound and Vibration Measurement Suite is covered by one or more of the following Patents:

U.S. Patent No(s): 6,332,116; 6,324,487; 6,366,862; 6,453,273; 6,477,472; 6,721,673; 6,775,629; 7,124,042

European Patent No(s): 1148320

LabVIEW Mobile Module for Handheld Devices

The LabVIEW Mobile Module for Handheld Devices is covered by one or more of the following Patents:

U.S. Patent No(s): 6,876,368; 7,647,562; 8,656,373

LabVIEW Control Design and Simulation Module

The LabVIEW Control Design and Simulation Module is covered by one or more of the following Patents:

U.S. Patent No(s): 7,043,693; 7,340,684; 7,506,304; 7,530,052; 7,979,843; 7,987,448; 8,122,238

LabVIEW GPS Simulation Toolkit

The LabVIEW GPS Simulation Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 8,040,276

LabVIEW Biomedical Toolkit

The LabVIEW Biomedical Toolkit is covered by one or more of the following Patents:

U.S. Patent No(s): 8,214,028

LabVIEW Web UI Builder

The LabVIEW Web UI Builder is covered by one or more of the following Patents:
U.S. Patent No(s): 8,239,824; 8,271,944; 8,307,347; 8,375,357; 8,392,876; 8,397,215; 8,453,252; 8,607,189; 8,656,344; 8,661,409; 8,799,852; 8,875,033; 9,141,347
European Patent No(s): 2433214

LabVIEW C Generator Module

The LabVIEW C Generator Module is covered by one or more of the following Patents:
U.S. Patent No(s): 8,713,540;

LabVIEW Electrical Power Suite

The LabVIEW Electrical Power Suite is covered by one or more of the following Patents:
U.S. Patent No(s): 8,872,699

LabVIEW Communication Systems Design Suite

The LabVIEW Communication Systems Design Toolkit is covered by one or more of the following Patents:
U.S. Patent No(s): 9,189,215; 9,489,181; 9,733,911

Lookout

The Lookout software is covered by one or more of the following Patents:
U.S. Patent No(s): 6,411,987; 6,505,247

IVI Driver Toolset

The IVI Driver Toolset is covered by one or more of the following Patents:
U.S. Patent No(s): 5,963,726; 6,085,156; 6,223,134; 6,405,145; 6,418,392

Measurement Studio

The Measurement Studio software is covered by one or more of the following Patents:
U.S. Patent No(s): 5,870,088; 5,974,257; 6,259,428; 6,370,569; 6,486,893; 6,515,682; 6,542,166; 7,134,081; 7,703,032; 8,392,879

LabWindows/CVI

The LabWindows/CVI software is covered by one or more of the following Patents:
U.S. Patent No(s): 5,583,988; 6,370,569; 7,134,081; 7,761,859; 8,042,095; 8,281,242

TestStand

The TestStand software is covered by one or more of the following Patents:
U.S. Patent No(s): 6,401,220; 6,397,378; 6,473,707; 6,507,842; 6,577,981; 6,754,850; 6,829,733; 6,868,508; 6,907,557; 6,971,084; 7,093,249; 7,143,361; 7,146,572;

7,191,361; 7,451,358; 7,480,826; 7,519,867; 7,613,954; 7,849,444; 7,954,009; 8,234,089; 9,495,265;

Signal Express

The Signal Express software is covered by one or more of the following Patents:
U.S. Patent No(s): 7,200,529; 7,366,993; 7,496,480; 7,650,589; 7,937,665;
7,958,488; 8,185,840; 8,527,964; 9,262,129
European Patent No(s): 1917582

MathScript

The MathScript software is covered by one or more of the following Patents:
U.S. Patent No(s): 7,954,059; 7,975,233; 8,479,156; 8,539,443

VeriStand

The VeriStand software is covered by one or more of the following Patents:
U.S. Patent No(s): 7,533,347; 7,624,375

NI Driver Software

Various of NI's driver software may be covered by one or more of the following Patents:
10,996,268;

NI-VISA

The NI-VISA software is covered by one or more of the following Patents:
U.S. Patent No(s): 5,627,998; 5,640,572; 5,710,727; 5,717,614; 5,724,272;
5,771,388; 5,847,955

NI-DAQ

The NI-DAQ software is covered by one or more of the following Patents:
U.S. Patent No(s): 5,619,702; 5,781,137; 5,781,138; 5,925,109; 5,926,775;
5,974,257; 5,987,530; 6,016,112; 6,020,838; 6,049,298; 6,052,743; 6,067,584; 6,073,205;
6,096,094; 6,148,438; 6,243,738; 6,349,274; 6,572,403; 6,839,777; 6,873,928; 7,130,760;

NI-DAQmx

The NI-DAQ software is covered by one or more of the following Patents:
U.S. Patent No(s): 6,879,926; 6,944,606; 6,965,800; 7,089,141 7,162,387;
7,290,069; 7,293,058; 7,499,824; 7,647,578; 7,849,210; 7,969,431; 9,106,474; 9,323,699;
10,394,643

NI-488

The NI-488 or NI-488.2 (NI-GPIB) software is covered by one or more of the following Patents:
U.S. Patent No(s): 5,958,028; 5,964,892; 5,974,541; 5,987,530; 6,073,205;
6,393,493; 6,412,028; 6,633,937; 6,681,057

NI Fieldbus

The NI Fieldbus software, including one or more of the NI-FBUS Configurator software or the NI-FBUS Monitor software, is covered by one or more of the following Patents:

U.S. Patent No(s): 5,796,721; 5,850,523; 5,854,890; 5,971,581; 5,978,850; 6,076,952; 6,141,596

NI-IMAQ

The NI-IMAQ software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,012,109; 6,161,154; 7,293,112

NI-CAN

The NI-CAN software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,122,713; 6,845,416

NI-DNET

The NI-DNET software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,122,713

NI-VXI

The NI-VXI software is covered by one or more of the following Patents:

U.S. Patent No(s): 8,769,159

NI-SoftMotion

The NI-SoftMotion software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,865,441; 7,076,322; 7,103,424; 7,863,851; 7,865,349; 8,082,515; 8,175,725; 8,239,177; 8,250,343; 8,788,099; 8,856,415; 9,285,801; 9,477,624; 9,460,036

European Patent No(s): 1664951

NI-Motion

The NI-Motion software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,823,221; 6,820,032; 6,980,869; 7,369,917; 7,542,810; 9,244,591

Motion Assistant

The Motion Assistant software is covered by one or more of the following Patents:

U.S. Patent No(s): 7,076,322; 7,076,332; 7,702,416; 7,702,417; 7,849,416; 7,930,643; 7,937,665; 7,992,129

Serial Bus Related Software

NI software which involves communication over a serial bus may be covered by one or more of the following patents:

U.S. Patent No(s): 5,987,530; 5,875,313; 5,937,175; 5,953,511; 6,073,205; 6,839,777; 6,968,464; 7,043,565; 7,184,922; 8,458,384

Vision Processing Related Software

The Vision processing related software (including IMAQ Vision) is covered by one or more of the following Patents:

U.S. Patent No(s): 6,219,452; 6,222,940; 6,229,921; 6,256,625; 6,370,270; 6,366,686; 6,493,079; 6,535,640; 6,615,158; 6,665,066; 6,665,335; 6,681,284; 6,757,428; 6,931,633; 6,909,801; 6,917,710; 6,944,331; 6,950,552; 6,959,104; 6,963,425; 6,963,667; 6,985,977; 7,013,047; 7,034,831; 7,039,229; 7,046,842; 7,079,141; 7,120,301; 7,127,100; 7,133,538; 7,136,505; 7,139,432; 7,139,979; 7,158,677; 7,171,048; 7,212,673; 7,233,699; 7,269,286; 7,293,112; 7,327,887; 7,340,089; 7,397,956; 7,450,765; 7,559,060; 7,668,376; 7,936,928; 8,320,662; 8,879,848; 9,135,497

European Patent No(s): 1018708, 1218851

Vision Builder Software

The Vision Builder software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,763,515; 7,051,317; 7,139,979; 7,146,347; 7,864,178; 7,937,665; 8,068,660; 8,302,072; 8,640,027

Vision Assistant Software

The Vision Builder software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,763,515; 7,139,979; 7,146,347; 7,937,665; 8,155,769

DSP Designer Software

The DSP Designer software is covered by one or more of the following Patents:

U.S. Patent No(s): 8,555,243; 8,719,774; 8,726,228; 8,887,121

MatrixX

The MatrixX software is covered by one or more of the following Patents:

U.S. Patent No(s): 5,612,866

IEEE 1394 Related Software

The IEEE 1394 related software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,640,312

Measurement and Automation Explorer (MAX)

The MAX software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,690,390; 7,130,760; 7,134,109; 7,152,116

Electronic Commerce / Web Site Software (including the PXI Configurator)

Electronic Commerce / Web Site Software (including the PXI Configurator) is covered by one or more of the following Patents:

U.S. Patent No(s): 6,985,876; 7,430,524; 7,558,694

Switch Executive Software

The Switch Executive software is covered by one or more of the following Patents:

U.S. Patent No(s): 7,017,138; 7,062,716; 7,764,619; 8,161,144

Data Socket Technology

NI products which incorporate Data Socket technology are covered by one or more of the following Patents:

U.S. Patent No(s): 6,370,569; 6,526,566; 6,643,691; 6,751,653; 6,763,395; 6,971,065; 7,134,085; 7,152,116; 7,237,013;

Diadem

The Diadem software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,886,165; 6,934,783; 7,383,315; 7,647,600; 8,055,637; 8,060,483; 8,099,400; 8,386,464; 8,754,889; 9,020,906; 9,158,826; 9,251,296; 9,626,415
European Patent No(s): 1103890, 1755054

DataFinder

The DataFinder software is covered by one or more of the following Patents:

U.S. Patent No(s): 8,055,637; 8,060,483; 8,099,400

SoftWire

The SoftWire software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,425,120; 6,425,121; 6,684,385; 6,701,513; 7,340,721

Electronics Workbench

The Electronics Workbench software is covered by one or more of the following Patents:

U.S. Patent No(s): 6,560,572; 8,665,635; 8,756,539

Installation and Deployment Software

The NI installation and deployment software, which is used for installation and/or deployment of most, if not all, NI software products, is covered by one or more of the following Patents:

U.S. Patent No(s): 7,228,541 (LabVIEW, CVI, and TestStand only); 7,478,385; 8,296,402

Radio Frequency (RF) Software Products

National Instruments RF Software products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,969,254; 8,290,725; 8,423,314; 8,437,385; 8,442,150; 8,442,161; 8,446,937; 8,446,974; 8,458,371; 8,462,882; 8,477,750; 8,559,650; 8,588,344; 8,605,774; 8,605,828; 8,605,830; 8,611,410; 8,611,470; 8,615,673; 8,638,893; 8,654,828; 8,654,903; 8,681,842; 8,681,845; 8,681,846; 8,699,552; 8,755,470; 8,706,657; 8,712,951; 8,768,275; 8,774,259; 8,861,579; 8,873,610; 8,891,694; 8,891,695; 8,897,349; 8,934,595; 8,938,025; 8,938,716; 8,943,014; 8,948,320; 8,984,342; 9,020,019; 9,088,331; 9,326,174;

9,332,450; 9,418,338; 9,618,551; 9,667,390; 9,692,586; 9,854,552; 9,871,649; 9,917,755;
10,164,670

Chinese Patent No(s): ZL2013800004425.3

NI Soft Front Panel Tool

National Instruments Products which use a soft front panel to display results of measurement function may be covered by one or more of the following Patents:

U.S. Patent No(s): 10,969,407

Measurement Data Storage

National Instruments Products which which relate to measurement data storage may be covered by one or more of the following Patents:

U.S. Patent No(s): 11,288,281; 11,321,341

PCI, CompactPCI, PCIE, PXI, VXI, SCXI, IEEE 1394, and USB Hardware Products

National Instruments hardware products that interface to one or more of PCI, CompactPCI, PXI, VXI, IEEE 1394, and USB are covered by one or more of the following Patents:

U.S. Patent No(s): 5,659,749; 5,664,092; 5,678,063; 5,686,917; 5,694,333;
6,098,124; 6,608,755; 7,137,855; 7,146,283; 7,149,093; 7,254,025; 7,268,642; 7,240,231;
7,355,850; 7,535,315; 7,626,474; 7,631,097; 7,644,207; 7,649,726; 7,849,210; 8,107,244;
8,122,171; 8,176,351; 8,477,488; 8,583,957; 8,607,081; 8,612,637; 8,938,559; 8,943,505;
9,003,220; 9,160,472; 9,244,874; 9,286,258; 9,310,832; 9,311,266; 9,652,370; 9,703,740;
9,965,371; 10,176,137; 11,023,402

Modular Instruments

National Instruments modular instruments are covered by one or more of the following Patents:

U.S. Patent No(s): 6,957,239; 7,340,357; 7,315,172; 7,315,791; 7,383,140; 7,434,124;
7,451,049; 7,478,256; 7,624,294; 7,644,207; 7,649,726; 8,307,235; 8,446,143; 8,458,371;
8,488,288; 8,582,706; 8,765,565; 8,788,882; 8,799,853; 8,813,032; 8,924,949; 8,938,716;
9,285,208; 9,311,266; 9,383,967; 9,459,295; 9,755,496; 9,785,415; 10,089,157;
10,746,784

FlexRIO Products

National Instruments FlexRIO products are covered by one or more of the following Patents:

U.S. Patent No(s): 8,788,882; 8,799,853; 8,813,032; 8,924,949; 8,938,716; 10,746,784

IEEE 1394 Hardware Products

National Instruments hardware products implementing IEEE 1394, including DAQ, GPIB and VXI hardware products implementing IEEE 1394, are covered by one or more of the following Patents:

U.S. Patent No(s): 5,875,313; 5,937,175; 5,953,511; 6,418,504; 6,425,033

Flex Hardware Products

National Instruments "flexible resolution" ("Flex") products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,734,261; 5,781,137; 5,781,138; 5,935,466; 5,955,979; 6,016,112; 6,020,838; 6,049,298; 6,232,897; 6,359,575; 6,380,874; 6,583,741;

Measurement Hardware Products

National Instruments measurement hardware products (including data acquisition (DAQ), computer-based instruments, and signal sources) are covered by one or more of the following Patents:

U.S. Patent No(s): 5,313,622; 5,533,037; 5,646,620; 5,648,918; 5,654,654; 5,734,261; 5,751,536; 5,765,949; 5,781,137; 5,781,138; 5,841,383; 5,842,006; 5,886,660; 5,909,660; 5,935,466; 5,955,979; 5,980,298; 6,016,112; 6,020,838; 6,049,298; 6,098,124; 6,140,859; 6,166,673; 6,188,347; 6,232,831; 6,232,897; 6,243,034; 6,249,125; 6,285,095; 6,323,792; 6,311,149; 6,359,946; 6,373,423; 6,380,874; 6,459,707; 6,513,086; 6,529,355; 6,542,838; 6,583,741; 6,594,612; 6,608,516; 6,970,118; 6,989,663; 7,016,796; 7,042,376; 7,079,611; 7,095,280; 7,140,907; 7,183,854; 7,215,197; 7,239,184; 7,268,642; 7,324,356; 7,325,171; 7,327,189; 7,339,418; 7,340,541; 7,367,712; 7,369,078; 7,378,835; 7,423,480; 7,423,480; 7,443,332; 7,480,126; 7,535,315; 7,644,207; 7,649,726; 7,849,210; 8,144,828; 8,176,351; 8,392,740; 8,458,371; 8,645,589; 8,862,795; 9,135,062; 9,160,313; 9,250,272; 9,294,057; 9,323,699; 9,755,496; 9,797,936; 9,996,407; 10,019,286; 10,069,400; 10,120,405; 10,145,866; 10,181,858; 10,503,549; 10,621,025; 10,838,000; 10,908,183; 11,038,426; 11,050,402; 11,408,916; 11,736,129

GPIB Hardware Products

National Instruments GPIB hardware products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,287,528; 5,315,706; 5,572,525; 5,572,684; 5,649,123; 5,649,129; 5,734,876; 5,815,690; 5,896,552; 6,038,617

Vision / IMAQ Hardware Products

National Instruments Vision or IMAQ hardware products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,313,622; 5,842,006; 6,012,109; 6,161,154; 6,720,968; 6,970,182; 6,971,066; 8,458,371

VXI Hardware Products

National Instruments VXI hardware products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,748,916; 5,796,963; 5,822,554; 5,995,376; 6,075,690; 5,850,571

FieldPoint Products

National Instruments FieldPoint products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,065,068; 6,098,117; 6,175,932; 6,182,179; 6,226,762;
7,725,627

Design Patent No(s): D417198

Network Control Hardware Products

National Instruments network control hardware products, including industrial control (including the DeviceNet and CANopen protocols), automotive networking products (including the CAN, LIN, and FlexRay protocols), and inter-chip products (including I2C and SPI) are covered by one or more of the following Patents:

U.S. Patent No(s): 5,938,754; 8,135,879; 8,156,295; 8,352,645; 8,639,853;
9,336,051; 11,256,641

MXI-3 and MXI-4 Module Products

National Instruments MXI-3 and MXI-4 Module products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,425,033; 6,418,504; 6,950,440; 6,968,464; 7,607,070;

CompactRIO Products

National Instruments CompactRIO products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,823,283; 7,254,512; 7,478,006; 7,509,445; 7,512,512;
7,512,725; 7,542,867; 7,836,426; 7,865,326; 7,881,899; 8,239,158; 8,295,287; 8,583,957;
8,938,559; 8,943,505; 9,003,220; 9,137,044; 9,246,852; 9,288,157; 9,313,235; 9,477,624;
9,654,416; 9,699,100; 9,813,225; 9,852,036; 9,967,209; 10,091,027; 10,110,679;
10,164,793; 11,099,525

European Patent No(s): 3,058,683; 3,066,574

Chinese Patent No(s): ZL201480056456.8; ZL201480056467.6;
ZL201480056456.8

PXI Express

National Instruments PXI Express products are covered by one or more of the following Patents:

U.S. Patent No(s): 6,981,086; 6,941,390; 8,295,287; 8,307,136; 8,312,298;
8,458,371; 8,477,488; 9,310,832; 9,313,235

Chinese Patent No(s): ZL201480056467.6

PC Cards

PC Cards manufactured and/or sold by National Instruments are licensed under one or more of the following Patents:

U.S. Patent No(s): 4,603,320; 4,972,470

NI-ELVIS

The NI-ELVIS product is covered by one or more of the following Patents:

U.S. Patent No(s): 7,849,210

Smart Camera

National Instruments Smart Camera products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,327,396; 7,532,249; 7,760,238; 7,791,671; 7,915,570

Power Supplies and Source Measure Units

National Instruments DC Power Supply products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,684,878; 7,903,008; 8,456,338; 8,604,765; 8,653,840; 8,797,025; 9,287,789; 9,651,585; 9,910,074; 10,175,334; 10,338,110; 10,436,874

Wireless Sensor Network

National Instruments Wireless Sensor Network products are covered by one or more of the following Patents:

U.S. Patent No(s): 8,237,598; 8,560,592; 8,755,460; 9,002,917; 9,800,229

NI SwitchBlock and switching hardware

National Instruments NI SwitchBlock products are covered by one or more of the following Patents:

U.S. Patent No(s): 8,299,798; 9,097,757; 9,157,952; 9,287,062; 9,558,903;

European Patent No(s): 2,845,019

Chinese Patent No(s): ZL201380031762.1

NI Vector Signal Analyzer/Generator/Transceiver

National Instruments Vector Signal Transceiver (VST) products are covered by one or more of the following Patents:

U.S. Patent No(s): 8,568,149; 8,756,565; 8,788,882; 8,799,853; 8,813,032; 8,924,949; 9,188,617; 9,326,174; 9,548,882; 9,581,630; 9,609,653; 9,769,006; 9,918,316; 9,979,585; 10,624,094

NI Chassis Designs

National Instruments chassis and fan products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,995,376; 7,149,093; 7,355,850; 8,107,244; 8,503,184; 8,681,505; 8,724,336; 9,784,279; 10,219,405; 11,452,231; 11,704,269

NI Thermocouple Products

National Instruments thermocouple products are covered by one or more of the following Patents:

U.S. Patent No(s): 8,757,874; 9,995,638

Cable Accessories and Connectors

National Instruments cabling products are covered by one or more of the following Patents:

U.S. Patent No(s): 5,938,754; 5,980,298; 8,530,758; 8,568,149; 8,992,263; 9,015,938; 9,413,107; 9,476,919; 9,520,691

Software Packaging

National Instruments software packaging is covered by one or more of the following Patents:

U.S. Patent No(s): 8,499,932

Drivven

National Instruments Drivven product is covered by one or more of the following Patents:

U.S. Patent No(s): 9,048,775; 9,413,165; 9,611,797; 9,702,313; 10,125,706

NMDG High-Frequency Stimulus-Response and Network Analyzer Products

National Instrument's NMDG subsidiary products (large signal network analyzer products manufactured by NI subsidiary NMDG) are covered by one or more of the following Patents:

U.S. Patent No(s): 7,486,067; 8,891,639; 9,413,404; 9,419,784; 9,651,599; 9,791,484; 9,804,226; 10,393,781; 11,411,768; 11,644,505

European Patent No(s): 1759218; 2440944

Radio Frequency (RF) Measurement Products

National Instruments RF Hardware products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,268,642; 7,535,315; 8,129,867; 8,374,552; 8,446,937; 8,462,882; 8,530,758; 8,514,978; 8,559,560; 8,638,893; 8,654,828; 8,681,842; 8,681,845; 8,681,846; 8,699,552; 8,754,725; 8,774,259; 8,798,207; 8,813,032; 8,847,616; 8,861,579; 8,868,021; 8,873,610; 8,874,397; 8,897,349; 8,938,025; 8,957,309; 8,995,513; 9,015,938; 9,020,019; 9,252,470; 9,252,734; 9,449,295; 9,477,386; 9,477,566; 9,479,200; 9,483,372; 9,621,387; 9,755,289; 10,122,495; 10,103,928; 10,218,405; 10,243,678; 10,371,733; 10,725,080; 10,790,915; 10,841,019; 10,841,136; 10,942,214; 11,050,496; 11,146,439; 11,255,891; 11,515,950

European Patent No(s): 2,342,847; 3,837,562; 3,797,302

Chinese Patent No(s): ZL200980136929.4

Mexico Patent No(s): 303,482

MIMO Radios

National Instruments products related to MIMO Radios are covered by one or more of the following Patents:

U.S. Patent No(s): 10,181,913; 10,855,346; 10,917,144; 10,958,314;

European Patent No(s): 3,549,283

Chinese Patent No(s): ZL201780074507.3

Cellular (LTE and 5G)

National Instruments products related to cellular design and cellular test (including LTE and 5G) are covered by one or more of the following Patents:

U.S. Patent No(s): 9,391,818; 9,569,119; 9,577,729; 9,582,342; 9,654,188; 9,740,411; 9,768,805; 9,860,052; 9,935,757; 9,985,701; 9,990,250; 9,991,938; 10,078,456; 10,205,824; 10,218,548; 10,218,549; 10,243,715; 10,257,005; 10,257,329;

10,277,734; 10,331,361; 10,367,525; 10,396,867; 10,447,352; 10,447,513; 10,505,695;
10,567,065; 10,567,148; 10,616,896; 10,686,572; 10,708,086; 10,841,925; 10,951,300;
11,178,628; 11,296,846; 11,381,297; 11,595,109

European Patent No(s): 3,140,918; 3,140,919; 3,140,920; 3,679,705

Chinese Patent No(s): ZL201580032055.3; ZL201880023935.8;
ZL201880058253.0

BEEcube nanoBee Products

National Instrument's BEEcube products are covered by one or more of the following Patents:

U.S. Patent No(s): 9,753,881

Functional Safety Modules

National Instrument's Functional Safety Module products are covered by one or more of the following Patents:

U.S. Patent No(s): 11,099,525

Lidar (Light Detection and Ranging) Technology

National Instrument's Lidar technology is covered by one or more of the following Patents:

U.S. Patent No(s): 11,726,190

Optimal Plus Patents

Optimal Plus products are covered by one or more of the following Patents:

U.S. Patent No(s): 7,208,969; 7,340,359; 7,532,024; 7,528,622; 7,567,947;
7,679,392; 7,737,716; 7,777,515; 7,969,174; 8,069,130; 8,112,249; 8,421,494; 8,781,773;
8,838,408; 8,872,538; 9,529,036; 9,767,459; 9,885,751; 10,118,200; 10,794,955;
11,061,795; 11,068,478; 11,143,689; 11,235,355; 11,402,419; 11,475,187; 11,650,250

Other U.S. and International Patents Pending

"For the most updated listing of patents which may cover the National Instruments product(s) being used, please see www.ni.com/patents ."