

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

NI: PCIe-6321 Multifunction I/O Device

RRID:SCR_018947

Type: Tool

Proper Citation

NI: PCIe-6321 Multifunction I/O Device (RRID:SCR_018947)

Resource Information

URL: <https://www.ni.com/en-in/support/model.pcie-6321.html>

Proper Citation: NI: PCIe-6321 Multifunction I/O Device (RRID:SCR_018947)

Description: Digitizer offers analog I/O, digital I/O, and four 32-bit counters/timers for PWM, encoder, frequency, event counting, and more. Delivers functionality leveraging high throughput PCI Express bus and multicore optimized driver and application software. Suited for broad range of applications, from basic data logging to control and test automation.

Resource Type: instrument resource

Keywords: Digitizer, slice electrophysiology, NATIONAL INSTRUMENTS Corp., timer, encoder, event counting, data logging, control automation, test automation, instrument, equipment

Availability: Restricted

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018947.pdf

Resource Name: NI: PCIe-6321 Multifunction I/O Device

Resource ID: SCR_018947

Alternate URLs: <https://www.ni.com/docs/en-US/bundle/pcie-pxie-usb-63xx-features/resource/370784k.pdf>

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260725T190901+0000

Ratings and Alerts

No rating or validation information has been found for NI: PCIe-6321 Multifunction I/O Device.

No alerts have been found for NI: PCIe-6321 Multifunction I/O Device.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Huang Z, et al. (2024) A disinhibitory microcircuit of the orbitofrontal cortex mediates cocaine preference in mice. *Molecular psychiatry*, 29(10), 3160.

Nayana J, et al. (2024) Repeated finasteride administration promotes synaptic plasticity and produces antidepressant- and anxiolytic-like effects in female rats. *Journal of neuroscience research*, 102(3), e25306.

Salaka RJ, et al. (2021) Enriched environment ameliorates chronic temporal lobe epilepsy-induced behavioral hyperexcitability and restores synaptic plasticity in CA3-CA1 synapses in male Wistar rats. *Journal of neuroscience research*, 99(6), 1646.

Subhadeep D, et al. (2021) Exposure to Short Photoperiod Regime Restores Spatial Cognition in Ventral Subicular Lesioned Rats: Potential Role of Hippocampal Plasticity, Glucocorticoid Receptors, and Neurogenesis. *Molecular neurobiology*, 58(9), 4437.