

PXle-6363 Multi-Function Module

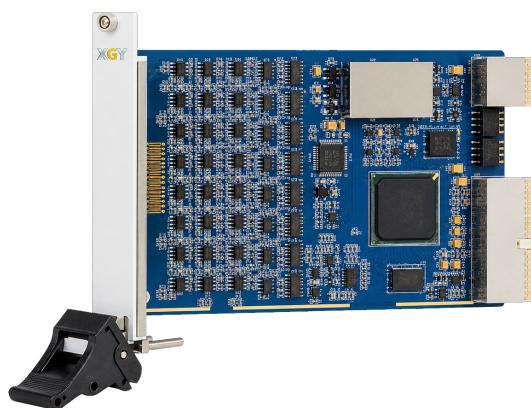
32-channel AI, 4-channel AO, 32-channel DIO, and 16-channel PFI in one PXle card

At a Glance

PXle-6363 is a multi-function PXle module for data acquisition, analog output, and digital I/O tasks.

The module combines 32 analog input channels at 2 MSa/s, 4 analog output channels, 32 static digital I/O channels, and 16 programmable I/O channels.

PFI functions support static I/O, counter, and frequency measurement modes for flexible automated test integration.

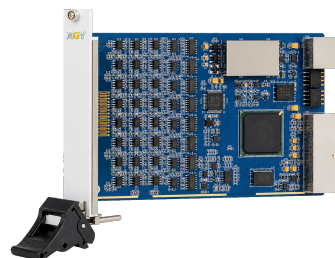


PXle-6363 Multi-Function Module

Product Overview

PXle-6363 consolidates analog acquisition, analog output, static digital I/O, and programmable I/O into a compact PXle card.

It is suited to mixed-signal measurement systems that need acquisition, stimulus, digital control, and counter or frequency functions from one module.



Key Features

- **32-Channel AI**

Scanning acquisition supports 32 input channels at 2 MSa/s with +/-10 V range.

- **4-Channel AO**

Analog output provides 4 channels with +/-10 V output and 5 mA output current.

- **32-Channel DIO**

Static digital I/O includes 32 channels at 5 V TTL level.

- **16-Channel PFI**

Programmable I/O provides 16 channels for static I/O, counter, and frequency measurement modes.

- **PXle Integration**

The module fits a 3U single-width, 4HP PXle slot.

- **Driver Support**

VISA-based PNP driver support is provided for Windows and Linux.

Technical Specifications

Data Acquisition	
AI Channels	32 channels
Acquisition Mode	Scanning acquisition
Sampling Rate	2 MSa/s
Input Range	+/-10 V
Analog Output	
AO Channels	4 channels
Output Voltage	+/-10 V
Output Current	5 mA
Digital I/O	
DIO Channels	32 channels
DIO Level	5 V TTL
PFI Channels	16 channels
PFI Modes	Static I/O, counter, frequency measurement
System	
Operating System	Windows 7 / Windows 8 / Windows 10 / Linux
Driver Support	VISA-based PNP driver
Form Factor	3U single-width, 4HP

Environmental Grades

Condition	Commercial C	Industrial I	Military J
Operating Temperature	0 to +50 deg C	-20 to +50 deg C	-40 to +50 deg C
Storage Temperature	-20 to +70 deg C	-40 to +70 deg C	-55 to +85 deg C
Humidity	95% @ 25 deg C, non-condensing	95% @ 25 deg C, non-condensing	95% @ 25 deg C, non-condensing

Temperature values are specified in degrees Celsius.

Ordering Information

Model	Description	Availability
Default Configuration		
PXle-6363	AI 32 channels, 2 MSa/s; DA 4 channels; DIO 32 channels; PFI 16 channels; commercial grade	Standard
PXle-6363-I	AI 32 channels, 2 MSa/s; DA 4 channels; DIO 32 channels; PFI 16 channels; industrial grade	Optional
PXle-6363-J	AI 32 channels, 2 MSa/s; DA 4 channels; DIO 32 channels; PFI 16 channels; military grade	Optional
3002007	J30J-100TJL cable, 50 cm, with wire labels	Standard

Default configuration is PXle-6363, AI 32 channels, 2 MSa/s; DA 4 channels; DIO 32 channels; PFI 16 channels; commercial grade.

Ordering format is PXle-6363-X, where X selects the temperature grade: C for commercial default, I for industrial, and J for military.

Packing List

Item	Description	Quantity
Multi-Function Module	AI 32 channels, 2 MSa/s; DA 4 channels; DIO 32 channels; PFI 16 channels; commercial grade	1 unit
Accessory Cable	J30J-100TJL cable, 50 cm, with wire labels	1 set
User Manual	Product use and maintenance information	1 copy
Certificate of Conformance	Factory inspection certificate	1 copy

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Specifications subject to change without notice. Per AS/NZS standards.