

# PXT(e)1741 Trigger Module



## TECHNICAL DATA SHEET

PXI

### Features

VXI

LAN

cPCI

PXIe

GPIB

USB

RS232  
485

external  
PCIe

- Easy linkage of various external modules to the PXI(e) trigger bus
- High configurable trigger matrix
- 12 independent configurable trigger lines
- Available with PXI or PXIExpress interface
- Inputs/Outputs compatible with 5V TTL standard
- Software controlled triggering of any target device

## Product Information

### Easy linkage of various external modules

The PXT(e)1741 Trigger Module is designed to build up a connection between trigger signals from any external trigger source (5V TTL Standard) and the PXI(e) trigger bus. Therefore the device is equipped with four SMA front connectors (T1 to T4).

### Complex concatenation of various trigger sources

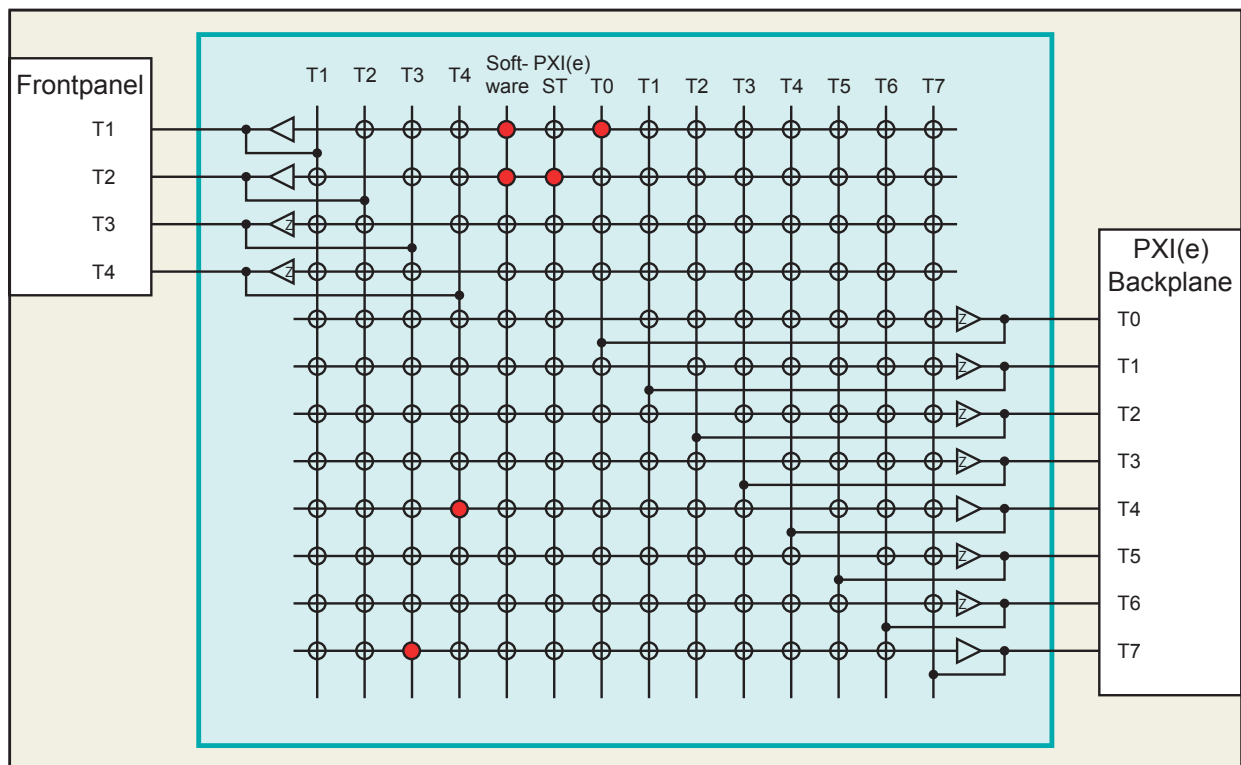
Each trigger output signal can be a combination of all available trigger sources except the trigger line itself.

### Independent configurable trigger lines

The PXT(e)1741 Trigger Module provides 12 independent configurable trigger lines, where each of them can be used as trigger source or trigger output and two additional trigger sources (PXI(e) star trigger and software trigger).

### Software controlled triggering

With the additional software trigger, each with the PXT(e)1741 Trigger Module linked device can be triggered at any time with a simple software command.



● = Connection Example

General	Specification	Comment
Module size	1 slot, 3U	
Module weight	<0.3 kg	
Front connector type	SMA	
Operating temperature	0 ... 40°C	
Operating altitude	<2 000 m	
Relative humidity	Up to 85% at 35°C	
Storage temperature range	-25 ... 70°C	
Electrical safety	According EN61010-1	

Trigger	Specification	Comment
Front trigger I/Os	4	
PXI(e) trigger lines	8	PXI(e) trigger line 0...7
I/O voltage level	5 V TTL	
Output current	20 mA	
Trigger sources	12 configurable trigger lines, 1 PXI(e) star trigger, software trigger	

Ordering Information	Comment
PXT1741	Device with PXI interface
PXTe1741	Device with PXIExpress interface

**Notes:** All product data are specified for 1 year at an ambient temperature of 23°C ±5°C (after 1 hour warm-up time).  
Product specification and description in this document are subject to change without notice.

