

# ProDAQ Signal Conditioning Units

## ProDAQ 5748 Rack-Mount Break-Out Box



### OVERVIEW

The ProDAQ 5748 is a 1U-high, rack-mountable break-out box for standard 19-inch racks. One ProDAQ 3416 or up to two ProDAQ 3424 analog-to-digital converter (ADC) function cards can be connected to the unit. The unit provides 16 channels of standard BNC connectors, configured as isolated pseudo-differential inputs. The ProDAQ ADC function cards are connected via standard, 50-pin SCSI connectors on the back of the break-out box.

Each channel is equipped with an LED indicator for ICP mode. This indicator is controlled directly by the ProDAQ 3424 function card. The power for the indicators and logic are provided to the ProDAQ 5748 via a plug-in power adaptor.

### SPECIFICATIONS

INPUT CHARACTERISTICS	
Number of BNC inputs	2 x 8
BNC Input Configuration	Pseudo-differential (Core: +Sig, Shield: -Sig)
Function Card Connection	2 x 50-pin female SCSI connector
PHYSICAL CHARACTERISTICS	
Dimensions	482.6 x 43.7 x 100 mm (W x H X D), height 1U
Weight	1500 g
POWER REQUIREMENTS	
Power Consumption	9-12 V, 200 mA
ENVIRONMENTAL	
Temperature	0°C to +50°C (operational) -40°C to +70°C (storage only)
Humidity	10% - 90% (non-condensing)
WARRANTY PERIOD	
12 months (extended periods available at additional cost)	

For more information, visit [www.bustec.com](http://www.bustec.com).

Learn more about the **ProDAQ 5748** on our website by scanning the code below.



### Features & Benefits

- ▶ **1U, 19 in. rack-mount break-out box**
- ▶ **Connects** to ProDAQ 3416 or up to two ProDAQ 3424 function cards
- ▶ **8-channel** isolated BNC connector input per ProDAQ 3424
- ▶ **Two 50-pin SCSI** for function card connection
- ▶ **Front-panel LED** Indicators for ICP mode

### Ordering Information

- ▶ **5748-AA** 2 x rack-mount break-out box

#### Related Products

- ▶ **6100-xx** LXI function card carrier
- ▶ **3180-AA** Ultra-performance motherboard module
- ▶ **3416-xx** 16-ch, 24-bit, sigma-delta ADC function card
- ▶ **3424-xx** 8-ch, 24-bit, sigma-delta ADC function card
- ▶ **8010-Ax** SCSI connector cables

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