

# TRION-DI-48



- ▶ Isolated digital input module
- ▶ 48 isolated digital inputs (TRION-DI-48)
- ▶ 3 MS/s sampling rate



## Module specifications

TRION-DI-48 specifications	
Input channels	48 isolated digital inputs (TRION-DI-48)
Input modes	Digital input (discrete)
Sampling rate	3 MS/s
Input signal characteristic	<ul style="list-style-type: none"> <li>– Compatibility CMOS</li> <li>– Configuration Isolated input</li> <li>– Input low level <math>U_{IN} &lt; 1.8\text{ V}</math></li> <li>– Input high level <math>U_{IN} &gt; 3.2\text{ V}</math></li> <li>– Input high current @ 5 V <math>U_{IN}</math> &lt;3.5 mA</li> <li>– Input high current @ 30 V <math>U_{IN}</math> &lt;7 mA</li> <li>– Propagation delay &lt;160 ns</li> <li>– Bandwidth 3 MHz</li> <li>– Overvoltage protection <math>35\text{ V}_{DC}</math> (<math>65\text{ V}_{PEAK}</math>)</li> <li>– Isolation voltage (channel-to-channel) <math>100\text{ V}_{PEAK}</math></li> <li>– Isolation voltage (input-to-chassis) <math>250\text{ V}_{PEAK}</math></li> </ul>
Input connector	2 x 50 pin mini centronics
Sensor power supply (per module)	5 V (600 mA), not isolated
Typical power consumption	5 W
Weight	Approx. 190 g

Tab. 89: Module specifications