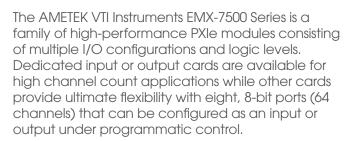


EMX-7500 SERIES

PXIe DIGITAL INPUT/OUTPUT



Models capable of sinking 300 mA include builtin clamping diodes, making these modules ideal for driving and sensing external devices such as relays, while all clamping diodes and open collector channels can be pulled up internally, rather than on a per channel basis, simplifying overall system cabling. Isolated models are also available for more demanding applications.



FEATURES

- High Current - 300 mA Sink
- High Density
 - 64 Channels / Card
- Isolation
 - 1000 V
- Multiple Digital Logic Levels

 - 60 V Max, User Defined
- Flexible Configurations
 - Dedicated Input
 - Dedicated Output
 - Eight, 8-Bit Ports
- Flexible Software

 - Common IVI Software Drivers





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www.ttid.co.uk

EMX-7500 SERIES PXIe Digital Input/Output

Specifications				
	Digital Input/Output	Channels	64 (Eight 8-Bit Ports)	
		V IN (high)	> 40% of Volamp	
		V IN (low)	< 14% of Volamp	
		V IN (max)	60 V	
EMX-7510		V OUT (high)	> 2 V to 60 V	
		V OUT (low)	< 1.5 V @ 300 mA max. (sink)	
		Connector Type	ERNI 160-Pin	
	Voltage Range	Internal Voltage Source (Vclamp)	3.3 V, 5.0 V, 12.0 V and 24.0 V	
		User Voltage ¹ (Vclamp)	> 2 V up to 60 V	
EMX-7511	Digital Input/ Output	Channels	64 (Eight 8-Bit Ports)	
		Logical Level	Standard TTL @ 24 mA sink/source	
		Connector Type	ERNI 160-Pin	
	Digital Input/ Output	Channels	64 (Eight 8-Bit Ports)	
EMX-7512		Logical Level	Standard LVTTL @ 24 mA sink/source	
		Connector Type	ERNI 160-Pin	
	Digital Input	Channels	32	
		Logical High	2.8 V to 60 V	
		Logical Low	< 2 V	
		Isolation to Computer GND	1000 V	
	Digital Output	Channels	32	
EMX-7513		Maximum Switching Voltage	60 V (AC/DC)	
		Maximum Switching Current	100 mA	
		Potential Free	Yes	
		Isolation to Computer GND	1000 V	
		Connector Type	ERNI 160-Pin	
	Digital Output	Channels	64	
		Maximum Switching Voltage	60 V (AC/DC)	
EMX-7514		Maximum Switching Current	100 mA	
LIVIX-7514		Potential Free	Yes	
		Isolation to Computer GND	1000 V	
		Connector Type	ERNI 160-Pin	
	Digital Input	Channels	64	
		Logical High	2.8 V to 60 V	
EMX-7515		Logical Low	< 2 V	
211177 7 0 1 0		Isolation to Computer GND	1000 V	
		Connector Type	ERNI 160-Pin	
EMX-7519	Digital Output	Channels	64 (Eight 8-Bit Ports)	
		V OUT (high)	> 2 V to 60 V	
		V OUT (low)	< 1.5 V @ 300 mA	
		Connector Type	ERNI 160-Pin	
	Voltage Range	Internal Voltage Source (Vclamp)	3.3 V, 5.0 V, 12.0 V and 24.0 V	
		User Voltage ¹ (Vclamp)	> 2 V up to 60 V	

Ordering Information		
Model	Configuration	
EMX-7510	64-CH DIO, Source/Sink, 60 V max Static I/O	
EMX-7511	64-CH, DIO TTL, Static I/O	
EMX-7512	64-CH, DIO LV TTL, Static I/O	
EMX-7513	32DI/DO, Isolated Switch card, 60 V	
EMX-7514	64DO, Isolated Switch card, 60 V	
EMX-7515	64 DI, 60 V max, Isolated Static I/O	
EMX-7519	64-CH DO, Source/Sink, 60 V max Static	
70-0409-160R	Strain relief bracket kit (without connector)	
27-0088-160	Mating connector housing 160 pin (without crimp pins)	
52-0109-000R	Crimp Pins (one bag contains 100 nos crimp pins)	
46-0010-000	Crimp tool (DIN)	
46-0011-000	Extraction tool (DIN)	
70-0367-205R	Terminal Block	



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