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UWC4800 eight-axis motion card

UWC4800 is a universal eight-axis motion controller of Lianying Measurement and Control. It adopts advanced DSP+FPGA architecture, is powerful and flexible to use, is not restricted by the functions and performance of Motion-ASIC (motion control dedicated chip), and can modify technical parameters, customize and expand

Features | Technical specifications | system applications | Download

	Minimum	typical	Maximum	unit
Power supply	22.5	twenty four	26	VDC
	1.5	1.8	2.6	A
UWC348 and controller IO status synchronization time difference	0.86	1.03	1.29	millisecond
Grating ruler/encoder resolution	0.01	1	10000	um
Linear ruler/encoder power supply	5.1V	5.2V	5.25V	VDC
	0	120	200	mA/channel
Grating ruler/encoder counting frequency	0	-	6.5/A or B	MHz
Direction pulse signal frequency	0	-	6.5	MHz
+10V analog voltage resolution	16			bit
Number of motion control axes	8			axis
Scale/encoder counting axis number	8			axis
Number of dedicated inputs (limit, servo alarm)	16			aisle
Number of dedicated outputs (servo enable, alarm clear	16			aisle
Number of general digital inputs	8			aisle
Number of general digital inputs	8			aisle
Number of RS232 peripheral interfaces	2			indivual
UWC348 RS232 IO Number	24 input/24 output (needs to occupy one RS232 interface)			aisle
Direction pulse signal frequency step	0.34			Hz
Universal 0-3.3V analog input	2			aisle
Analog ADC resolution	12			bit
PWM constant current chopping current sink	2			aisle
Sink Current	0~-100			mA
PWM constant current chopping resolution	12			Bit

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PWM constant current chopping frequency	12.2	KHz

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