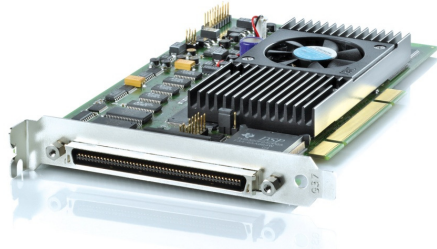


硬體

品項	品名	dSPACE DS1104 R&D controller Board		
	圖片			
	處理器	MPC8240 processor with PPC 603e core, 64-bit floating-point processor CPU clock 250 MHz 2 x 16 KB cache, on-chip On-chip PCI bridge (33 MHz)		
	插槽界面	Requires a 33 MHz / 32-bit 5-V PCI slot		
	記憶體	32 MB SDRAM 8 MB Flash Memory		
	物理特性	外觀尺寸	約 185 x 107 mm (mm)	
		環境溫度	0~55°C	
		冷卻	主動式風扇冷卻	
	通訊介面	Analog Input	<ul style="list-style-type: none"> ⊙ 4 multiplexed channels with one sample & hold A/D converter (1x16-bit) ⊙ 4 parallel channels each with one sample & hold A/D converter (4x12-bit) ⊙ 5 A/D converter channels (1x16-bit and 4x12-bit) can be sampled Resolution: Multiplexed channels@ 2 μs; Parallel channels@ 800 ns Input Voltage ±10V	
		Analog Output	8 channels 16-bit Output voltage range ±10V Output current range max ±5 mA	
		Digital I/O	<ul style="list-style-type: none"> ⊙ 20-bit parallel I/O ⊙ Single bit selectable for input or output ⊙ TTL input/output levels Output current range max ±5 mA	
		Digital incremental encoder interface	2 independent channels <ul style="list-style-type: none"> ⊙ Max. 1.65 MHz input frequency, i.e. fourfold pulse counts up to 6.6 MHz ⊙ 24-bit resolution ⊙ Selectable single-ended (TTL) or differential (RS422) input 	
		Serial Interface	<ul style="list-style-type: none"> ⊙ Single UART (universal asynchronous receiver and transmitter) with FIFO ⊙ RS232/RS422/RS485 compatibility ⊙ Up to 115.2 kBd (RS232) ⊙ Up to 1 MBd (RS422/RS485) 	
		型號	Texas Instruments TMS320F240	
	附屬DSP處理器	時脈	20MHz	
規格		<ul style="list-style-type: none"> ⊙ 64Kx16 external code memory ⊙ 28Kx16 external data memory ⊙ 4Kx16 dual-port memory for communication ⊙ 32KB flash memory ⊙ 16 A/D converter inputs ⊙ 10 PWM outputs ⊙ 4 capture inputs ⊙ 2 serial ports ⊙ Input A/D converter inputs: 0 ... 5 V ⊙ Output Current: Max. +13 mA 		