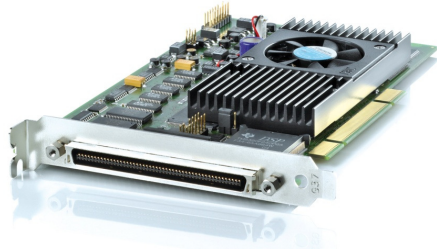


硬體

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 冷卻	0~55°C 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)
附屬DSP處理器	型號	Texas Instruments TMS320F240
	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