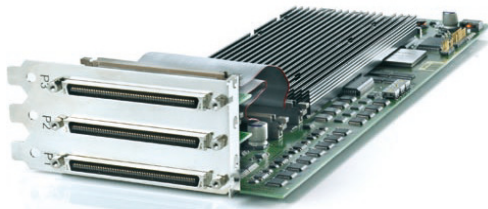


硬體

品項	品名	dSPACE DS1103 PPC (PowerPC) Controller Board 400MHz version
	圖片	
	處理器	PowerPC 604e / 400 MHz 10.1 SPECfp95, 15.9 SPECint95 3 integer units, 1 floating-point unit 2 on-chip timer units 32 KByte instruction cache, 32 KByte data cache
	插槽界面	Requires a full-size 16-bit ISA slot
	記憶體	2 MB SRAM 128 MB data logging memory
物理特性	外觀尺寸	約 340*125*45 (mm)
	環境溫度	0~50°C
	冷卻	被動式散熱片冷卻
通訊介面	CAN	<ul style="list-style-type: none"> ⊙ 1 channel based on SAB 80C164 microcontroller ⊙ ISO DIS 11898-2 CAN high-speed standard ⊙ Max Baud rate 1Mbit/s
	Analog Input	<ul style="list-style-type: none"> ⊙ 4 ADC units 16-bit, multiplexed (4 channels each), sample & hold, 4 μs sampling time (for 1 channel) ⊙ 4 channels 12-bit, sample & hold, 800 ns sampling time Overvoltage protection ±15V Input Voltage ±10 V
	Analog Output	<ul style="list-style-type: none"> 8 channels 14-bit Output voltage range ±10 V Output current range max ±5 mA
	Digital I/O	<ul style="list-style-type: none"> ⊙ 32-bit parallel I/O ⊙ Organized in four 8-bit groups ⊙ Each 8-bit group can be set to input or output (programmable by software) ⊙ TTL input/output levels Output current range max ± 10 mA
	Digital incremental encoder interface	<ul style="list-style-type: none"> 6 independent channels Max. 1.65 MHz input frequency, i.e. fourfold pulse counts up to 6.6 MHz
	Analog incremental encoder interface	<ul style="list-style-type: none"> 1 Channel Analog input with TC 3005H controller
	Serial Interface	RS232 and RS422 transceiver support
	附屬DSP處理器	型號
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