


硬體

品項	品名	dSPACE MicroAutobox II 1401/1505/1507		
	圖片			
	處理器	IBM PPC 750GL@900Mhz		
	記憶體	16MB 主記憶體 6MB PC/NotebookHost端通訊記憶體 16MB 非揮發性快閃記憶體		
	物理特性	外觀尺寸	約 200*225*95 (mm)	
		材質	鋁	
		工作溫度	-40~85°C	
		儲存溫度	-50~125°C	
		電源	6~40V	
		功耗	Max. 25W	
	通訊介面	Host interface	10/100 Mbit/s Ethernet connection (TCP/IP). Fully compatible with standard network infrastructure. LEMO connector	
		Real-time I/O interface	100 Mbit/s Ethernet connection (UDP/IP). RTI Ethernet (UDP) Blockset (optional) for read/write access. LEMO connector.	
		USB interface	USB 2.0 interface for long-term data acquisition with USB mass storage devices. LEMO connector	
		CAN	Two dual CAN interfaces; 4 CAN channels in total	
		CAN processor based serial interface	1 x RS232 interface	
		ECU interface	1X Serial interface for K/L-Line or LIN	
		Analog Input	4X Dual port memory interface; 16K x 16-bit DPRAM 16x 12 bit channels 4 to 1 multiplexed; Simultaneous sample & hold Input voltage 0~5V	
		Analog Output	8x 12bit channels Output voltage range 0~4.5V Output current range max = 5mA sink/source current	
		Digital I/O (General)	Digital I/O on 68336 slave processor, 20 MHz, with time processor unit (TPU)	
		Digital I/O (BitI/O)		16 discrete inputs 10 discrete outputs, 5 mA output current
				16 shared discrete inputs/outputs, bit-selectable
				16 TPU channels Up to 16-bit resolution
		PWM Generation and Measurement	4 shared inputs for frequency or PWM 4 PWM outputs, PWM frequency 2.5 Hz ... 100 kHz, duty cycle 0 ... 100% Up to 16-bit resolution	
		Signal Conditioning	Signal Conditioning for automotive levels, no power driver included Overvoltage protection Overcurrent and reverse current protection	
		FlexRay interface	2 slots for FlexRay modules	
		接頭		ZIF connector for I/O signals and power supply mechanically secured LEMO connectors for 2 ECU interfaces, Ethernet I/O interface, USB interface, and Ethernet host interface
	Host interface: 10/100 Mbit/s Ethernet connection (TCP/IP) 1 Additional 78-pin Sub-D connector with MicroAutoBox variants 1401/1505/1507 and 1401/1507			