



μPAC-5001D-CAN series PAC



μ PAC-5001D-CAN1



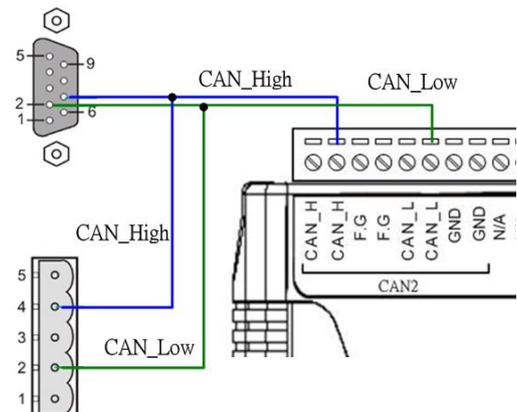
μ PAC-5001D-CAN2

The μPAC-5001D-CAN series is palm size PACs (Programmable Automation Controller), including μPAC-5001D-CAN1 and μPAC-5001D-CAN2. With abundant and various peripherals and communication ports, the μPAC-5001D-CAN series can integrate different communication interface, like CAN bus, RS-232, RS-485, Ethernet and so on. In order to increase the modules openness and applications flexibility, the μPAC-5001D-CAN series provides DOS-like real-time single-task operation system for adapting to all kinds of needs. Users can develop application programs via C/C++ compiler. In respect of application development, the μPAC-5001D-CAN series provides various libraries and demo programs about the peripheral components.

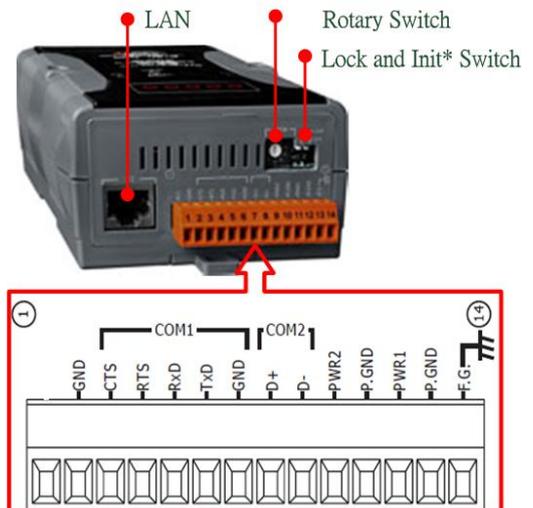
Features

- MiniOS7 Inside
- C Language Programming
 - TCP/IP Library
 - Modbus Library
 - CAN Library
- Various Storage Media
 - 512 KB Flash
 - 16 KB EEPROM
 - microSD
- Various Communication Interfaces
 - 10/100 Base-TX Ethernet
 - RS-232/485
 - CAN
- 64-bit Hardware Serial Number
- Programmable LED Indicator
- 5-Digit 7-SEG LED display
- Redundant Power Inputs
- Build-in WDT
- Operating Temperature: -25 ~ +75°C
- Storage Temperature: -30°C ~ +80 °C

Wire Connection



Pin Assignments

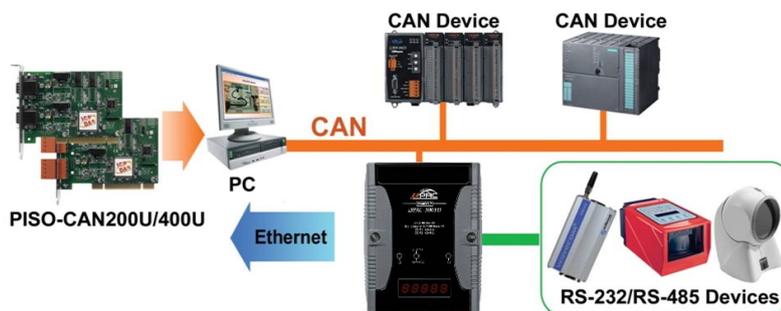




Hardware Specifications

Model Name	μPAC-5001D-CAN1	μPAC-5001D-CAN2
Hardware		
CPU	80186 or compatible (16-bit and 80 MHz)	
SRAM	512 KB	
Flash	512 KB; Erase unit is one sector (64 K bytes); 100,000 erase/write cycles	
microSD Expansion	Yes, can support 1 or 2 GB microSD	
EEPROM	16K bytes	
RTC	Provide second, minute, hour, date, day of week, month, year	
Watchdog	Yes(0.8 second)	
UART Interface		
COM1	RS-232	
COM2	RS-485 with internal self-tuner ASIC	
Ethernet Interface		
Controller	RJ-45 x 1, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)	
CAN Interface		
Controller	NXP SJA1000T with 16 MHz clock frequency	
Transceiver	NXP TJA1042	
Channel number	1	2
Connector	18-pin screwed terminal block (CAN_GND, CAN_L, CAN_GND)	
Transmission Speed(bps)	5 k ~ 1 M selected by user defined	
Terminator Resistor	Jumper for the 120 Ω terminator resistor	
Specification	ISO 11898-2, CAN 2.0A and CAN 2.0B	
Power		
Protection	Power reverse polarity protection	
Input Range	+12 ~ +48 V _{DC}	
Power Consumption	2.5 W for (D) version	
Mechanism		
Dimensions	91 mm x 123 mm x 52 mm (W x L x H)	
Environment		
Operating Temp.	-25 ~ 75 °C	
Storage Temp.	-30 ~ 80 °C	
Humidity	10 ~ 90% RH, non-condensing	

Applications



Ordering Information

μPAC-5001D-CAN1	Programmable Automation controller with two series communication port (RS-232/RS-485), one CAN port, one Ethernet port, 7-segment Display, 5 programmable LEDs, 512 KB flash ,512 KB SRAM, developing tool kit, Minios7. (RoHS)
μPAC-5001D-CAN2	Programmable Automation controller with two series communication port (RS-232/RS-485), two CAN ports, one Ethernet port, 7-segment Display, 5 programmable LEDs, 512 KB flash ,512 KB SRAM, developing tool kit, Minios7. (RoHS)