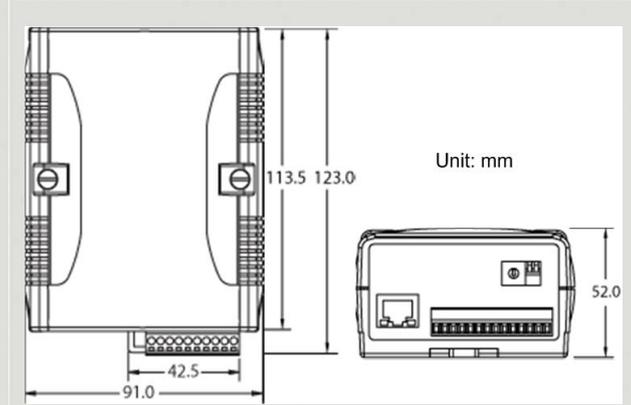




## μPAC-5001D-CAN2 (Programmable Automation Controller)



μ PAC-5001D-CAN2



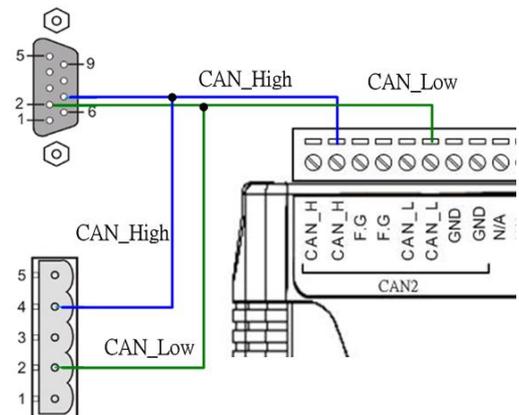
Dimension

The μPAC-5001D-CAN2 is palm size PACs (Programmable Automation Controller). With abundant and various peripherals and communication ports, the μPAC-5001D-CAN2 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-CAN2 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-CAN2 provides various libraries and demo programs about the peripheral components.

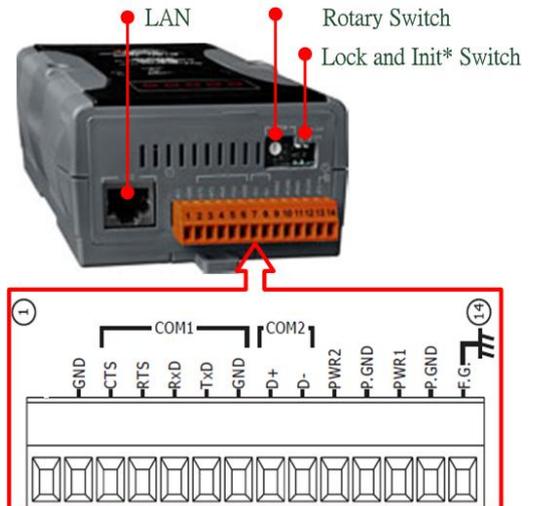
### Features

- 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

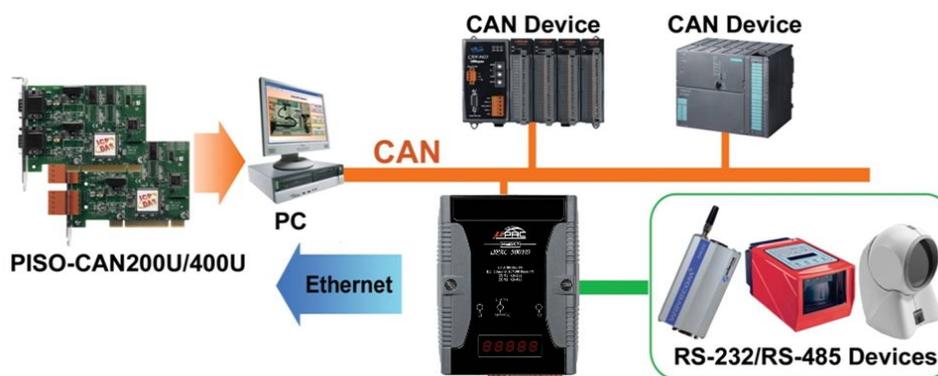




## Hardware Specifications

Model Name	$\mu$ PAC-5001D-CAN2
<b>Hardware</b>	
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)
<b>UART Interface</b>	
COM1	RS-232
COM2	RS-485 with internal self-tuner ASIC
<b>Ethernet Interface</b>	
Controller	RJ-45 x 1, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)
<b>CAN Interface</b>	
Controller	NXP SJA1000T with 16 MHz clock frequency
Transceiver	NXP TJA1042
Channel number	2
Connector	18-pin screwed terminal block (CAN_GND, CAN_L, CAN_GND)
Transmission Speed(bps)	5 k ~ 1 M selected by user defined
Terminal Resistor	Jumper for the 120 $\Omega$ terminal resistor
Specification	ISO 11898-2, CAN 2.0A and CAN 2.0B
<b>Power</b>	
Protection	Power reverse polarity protection
Input Range	+12 ~ +48 V <sub>DC</sub>
Power Consumption	2.5 W for (D) version
<b>Mechanism</b>	
Dimensions	91 mm x 123 mm x 52 mm (W x L x H)
<b>Environment</b>	
Operating Temp.	-25 ~ 75 $^{\circ}$ C
Storage Temp.	-30 ~ 80 $^{\circ}$ C
Humidity	10 ~ 90% RH, non-condensing

## Applications



## Ordering Information

### $\mu$ PAC-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)