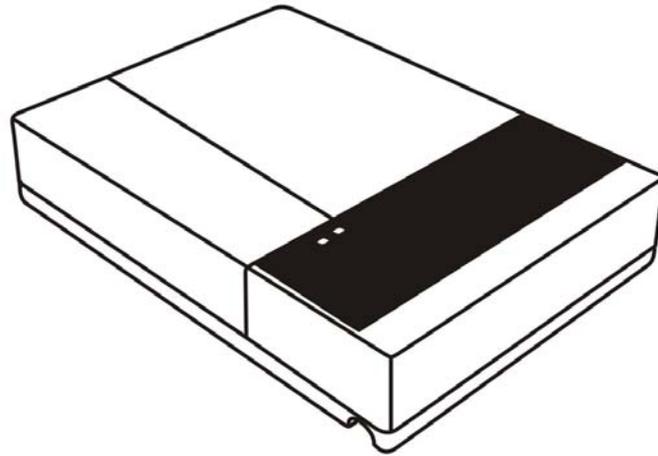


ARTECH

AD410 CTI Computer Telephony Interface



Contents

| | |
|---|-------|
| Section 1 General Description | - 1 - |
| Section 2 Key Features | - 1 - |
| Section 3 Functionalities Introduction | - 2 - |
| Section 4 Product Overview..... | - 3 - |
| Section 5 Packing Contents..... | - 5 - |
| Section 6 Product Specifications..... | - 5 - |
| Section 7 Installation..... | - 7 - |
| Section 8 Connecting Diagram | - 9 - |
| Section 9 Expandable AD410 Card ID Setting..... | - 9 - |

Section 1 General Description

The CTI computer telephony interface is becoming very popular stylish for modern business field. The most difficult for software developer is they know little based on hardware design, in case of client's requirements can not decide on PC software to work out, then some external devices is very necessary for them. Such as: Record incoming & outgoing calls, controlling line status, detecting phone status and justifying ring times, etc. Therefore, these functions are very useful for software developer so that they can expertise research progress for future development. AD410 provides detailed functions for hardware via USB transmission. In order to reduce researching time for PC software, AD410 also provides all-round completed Software Development Kit (API) special satisfy various software programmer. AD410 will make you understand the current operating status between PC software and hardware via its correlative DEMO program. With AD410 will bring you more convenient and enjoyment working condition.

Section 2 Key Features

- Stock 、 Shipping 、 Insurance Telephone Management
- Phone Purchasing Trade Management
- Bank Transactions Telephone Management
- Finance Banking Management
- Credit Card Service Centre Management

- Aviation & Telecom Management Centre
- Military Constitution, Policeman Station, Prison Telephone Management
- Call Centre Telephone Management
- Airplane and Monitor Center Phone Management
- Company Phone Usage Management
- SOHO Family Phone Records Management

Section 3 Functionalities Introduction

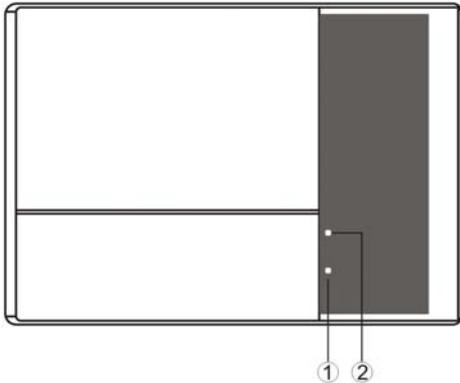
In order to speed up the application program development for your required, we provide VC SDK for reference, you don't need know about communication processes on hardware, you can get the communicative data directly. With DEMO program including all required API for demonstrating all functionalities, then you can test its key features on DEMO program first.

- . Incoming Call Number Record
- . Outgoing Call Number Record
- . Current Line Status Display
- . Telephone Operating Status Display
- . Talking Start & Stop Duration Record
- . Line Polarity Reversal Detection

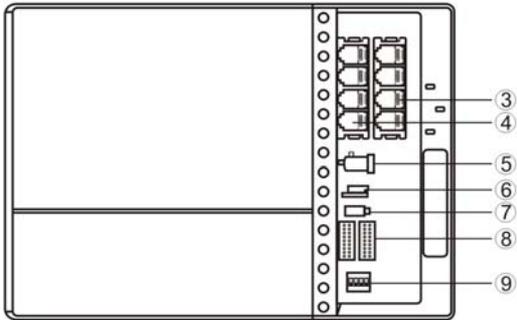
- . Ringing Detection
- . Line Talking Detection
- . LED Indicator for Data Transmission

Section 4 Product Overview

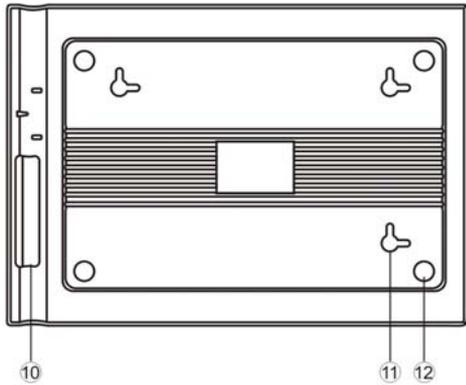
Please see AD410 each module first before operating it!



1. Data Transmission LED Indicator
2. Power LED Indicator



- 3. RJ11 Phone Jack
- 4. RJ11 Line Jack
- 5. DC Power Adaptor Jack
- 6. USB Jack
- 7. Audio Output Jack
- 8. Expandable Card Socket
- 9. DIP Switch



- 10. Cable Output Hole
- 11. Holder Suspension
- 12. Bottom Cushion

Section 5 Packing Contents

1. AD410 CTI Computer Telephony Interface Box
2. VC SDK (AIP) DEMO Program on CD
3. Standard USB Cable
4. Standard RJ11 Cable
5. User's Manual

Section 6 Product Specifications

System Requirement:

Pentium 400 MHz CPU or above

Windows98se/XP/2000/NT OS

10MB or Above

128 MB RAM or Above

CD-ROM

Standard USB Jack

Standard RJ11 Jack

Environment Requirement:

Operating Temp: 0oC - 50oC (32oF - 122oF)

Storage Temp: -30oC - 65oC (-22oF - 149oF)

Operating Humidity: 10% - 90% Without Coagulation

Product Specification:

Product Name: Multiple Line CTI Computer Telephony Interface

Model: AD410

Dimension: 180(L) x140(W) x40(H) (mm)

USB Cable: 1.5M

Weight: 350g

Packing Contents: AD410 CTI Box, SDK (AIP) & DEMO program on CD, USB Cable,
RJ11 Standard Cable, User's Manual.

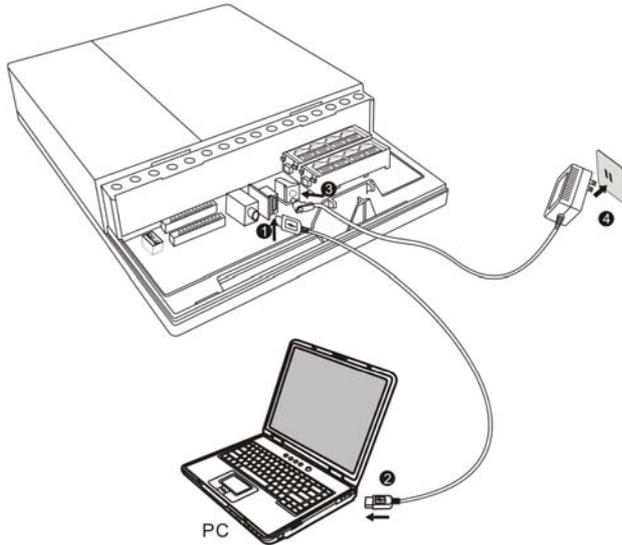
Installing Way:

Connect USB to PC via USB cable;

Connect RJ11 Line port to PSTN (C.O.) outside Line;

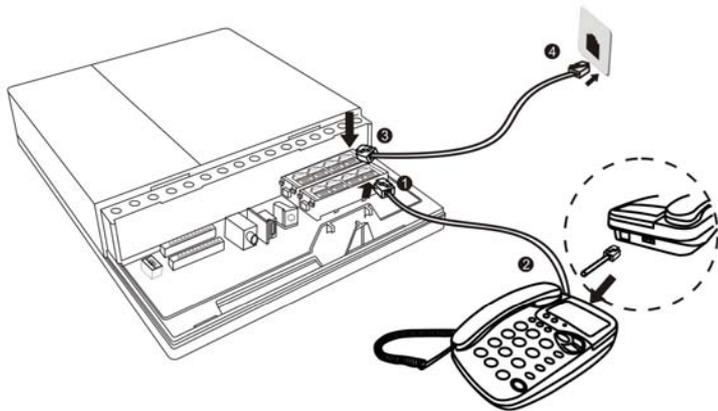
Connect RJ11 Phone port to any normal analog telephone set.

Section 7 Installation



Install Power Adaptor and USB Cable

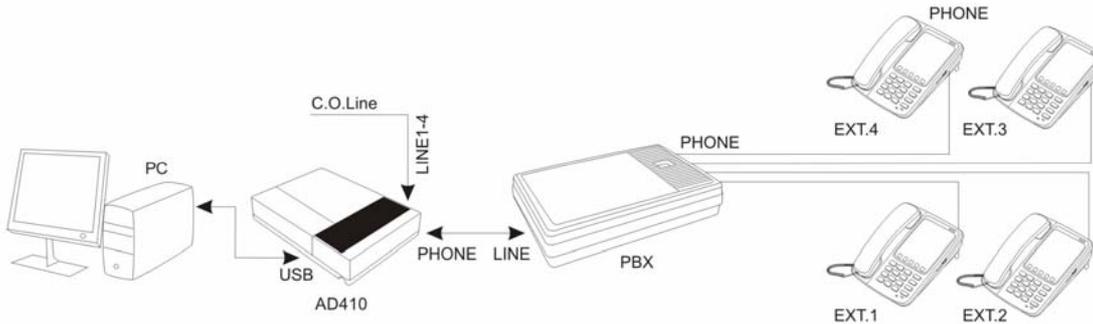
1. Connect one terminal of USB cable to USB port of AD410;
2. Connect another terminal of USB cable to USB port of PC;
3. Plug one terminal of power adaptor to DC Jack of AD410;
4. Connect another terminal of power adaptor to AC Socket of Power;



Install Line and Telephone Set

1. Connect one terminal of Line to LINE1 port of AD410;
2. Connect another terminal of Line to PSTN or C.O. outside line;
3. Connect one terminal of Phone to PHONE1 of AD410;
4. Connect another terminal of Phone to Telephone set;
5. LINE2、LINE3、LINE4 are the same as LINE1;
6. PHONE2、PHONE3、PHONE4 are the same as PHONE1;

Section 8 Connecting Diagram

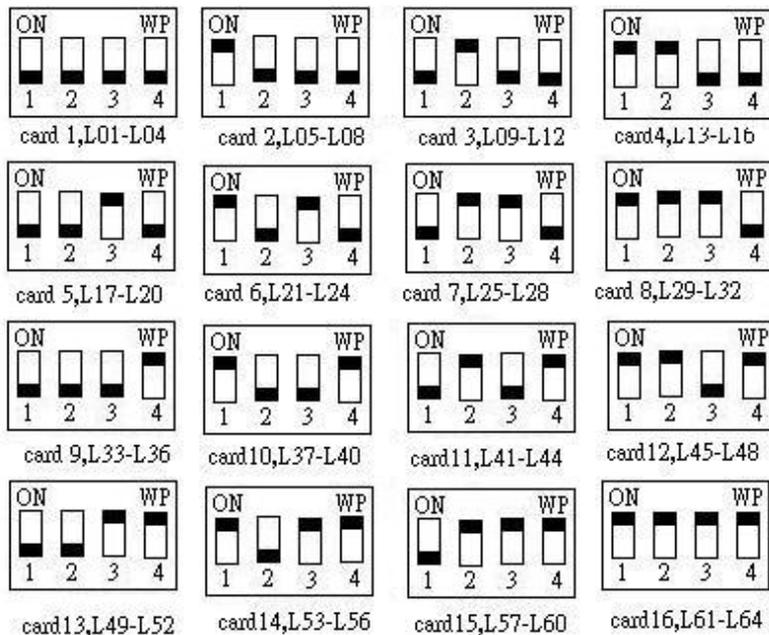


AD410 communicate with PC software via USB transmission, PC software will get AD410 operating information including call ID, outbound call no., Line status, telephone status, ringing times and so on. Base on the adequate phone operating info will facilitate you easily know about the current device status. One AD410 has 4 lines and one software can expandable 16 devices of AD410 simultaneously, so totally there have 64 lines can be used by 16 devices of AD410 at the same time.

Section 9 Expandable AD410 Card ID Setting

In order to distinguish same AD410 device connecting PC, there have a DIP-4 switch special used for recognizing different AD410 card ID, one AD410 got 4 lines and the expandable AD410 devices can be up to 16 units, so the

DIP-4 is suitable for recognizing 16 different ID. 16 different AD140 card ID stands 16 different AD410 devices, each card ID definition as follows:



Cautions: Please connect the same AD410 device via the attached cable and make sure to set different card ID for different AD410 recognizing. If you don't need expand more AD410 device no need set the DIP switch just keeping factory default.