

A horizontal bar consisting of seven squares of varying shades of blue, from dark to light, arranged from left to right.

Passive Call Recording Technologies (For TDM & IP networks)



RDR Series

Tapping Radar data lines

The Radar Data Recording Board is designed specifically for recording data from airport air-traffic control radars. This board uses PCI interface, allowing recording and playback of up to 4 ports of radar data. It is the first of radar data recording products publicly released for sales within China.

Similar to other Synway's series of recording boards, the Radar Data Recording Board uses high impedance connection. As the input impedance of over 50k ohm is way above normal connectivity impedance on serial data lines, the original radar system is unaffected either during or after installation. The main purpose of the board is to provide airport air-traffic control with an all-in-one solution for voice and radar data recording. The data recording and monitoring system which composes of Synway's voice boards and radar data recording boards enables airline dispatchers to perform synchronized recording and playback of voice and radar data. This greatly enhances analysis work.

The Radar Data Recording Board is suited for air-traffic control system's data recording that uses RS232 synchronous serial communication interfaces. Data recording rate is automatically modulated to accept input signals in the range of 300-38,400 baud rate and playback rate is configurable via a function call with applications. In addition, it is suited for third-party monitoring/play back of other serial-communications data signals.

Key Features & Benefits

- Adjustable Recording/playback Rate

Data recording rate is automatically modulated to accept input signals in the range of 300-38400 baud rate and playback rate is configurable via a function call with applications.

- DB15 Port

Easy parallel connection to on-board DB15 port via high impedance with a low malfunction rate, signal level complying with the RS232 standard.

- 1 to 4 Port Hi-Z Monitoring

Flexible positioning of the access point on the communication line between radar and terminal.

- Driver's Programming Mode

Two modes support: Polling mode and event mode (callback mode)

- Unique Hardware Serial Number

Each board has a unique hardware serial number written in the firmware to distinguish itself from other boards and prevent piracy. The number is available via an easy function call with applications.

- Authorized Code Identification Circuit

The on-board authorized code identification circuit is designed for software safety. Users can apply to our company for the authorized code.

- Driver Requirements

Uses an independent driver, allowing share of a software platform with other SHCTI voice boards to enable simultaneous voice processing and radar data recording in a system.

- Powerful API

Simple programming algorithm for rich functions.

Technical Specifications

- PRODUCT MODELS

SHR-4D/PCI

- Environment

Operating Temperature: 0℃55℃

Storage Temperature: -20℃85℃

Humidity: 8% 90% non-condensing

Storage Humidity: 8% 90% non-condensing

- Input/output Interface

Two DB15 Ports

- Maximum System Capacity

Up to 10 boards concurrently per system; up to 4 channels per board

- Power Requirements

+5V DC: 600mA

-12 VDC: 80mA

+12 VDC: 300mA

Maximum Power Consumption: ≤5W

- Input Impedance $\geq 50K \Omega$

- Transmission Rate

300/600/1200/2400/4800/9600/19200/38400 bps

- SAFETY AND CERTIFICATIONS

Lightning Resistance: Level 4

Certifications: FCC & CE & AS/NZS CISPR



Special Enhancements

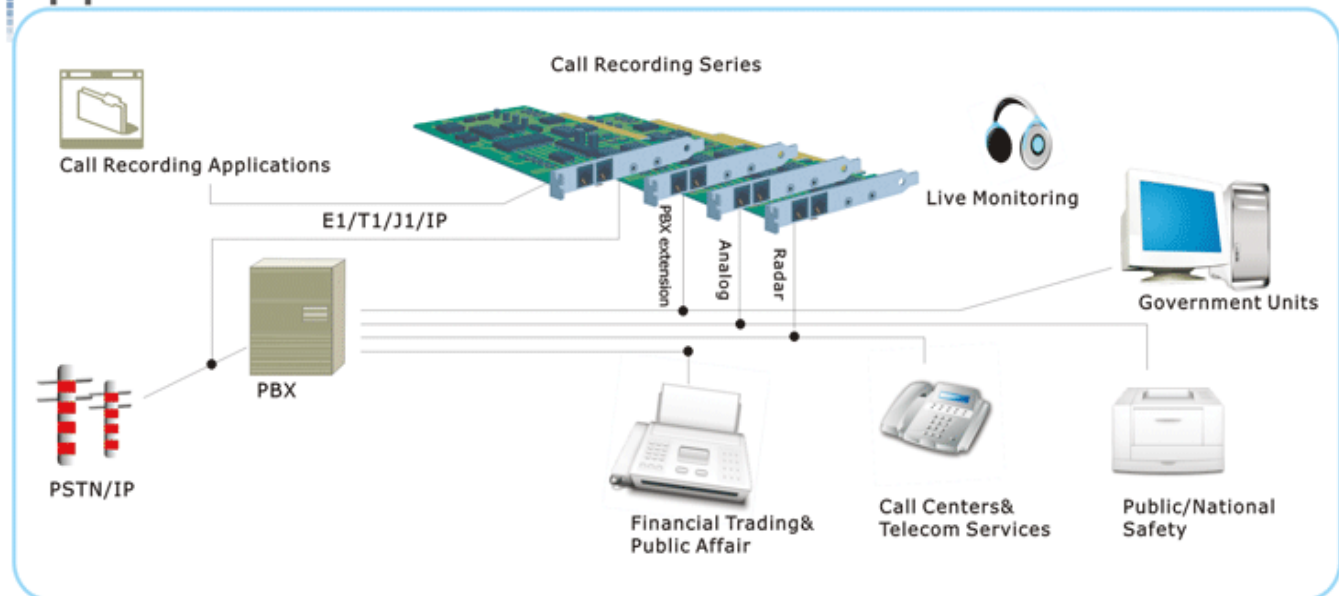
Field-proven Reliability

Synway has won high recognition for field-proven performance of 2 million ports in 80,000 systems installation across the world. Located in China's IT centre and manufacturing hub of the world, Synway delivers products with high MTBF and low defect rate by optimizing technologies and implementing ISO 9001 and 100% quality control system.

User-friendly API

Unifying applications for all product lines, Synway's in-house API features user-friendliness and rich functionality. With our remote or onsite Multi-Level Supports(MLS), our R&D engineer are always available to customize API, demos or sample programming to eliminate any uncertainty in your product development, and help port your application to the Synway's API in reasonable time frame.

Application Architecture



For more.....
[Http://ww.synway.net](http://www.synway.net)



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