

Swift growth in the telecommunication industry today results in a tremendous, fast changing demand for speedier telecommunication at lower cost as well as more innovative and newer products. In response to this market trend, we are committed to continuous Research and Development (R&D) so that we can offer better telecommunication products and services to our customers. We are also committed to investing in the development of better and more innovative telecommunication technologies to meet the needs of today and tomorrow.

We have established two R&D centres, one in the United Kingdom and the other in China, to develop both new and localized products to meet various global market needs. We have on-going product development programmes with the technical teams of our business partners, resulting in many innovative products. One of the latest of these innovative products is our newly launched "One2One Global Call Card".



Our proprietary TeleFirst Distribution eXchange (TDX) Global Platform, which provides users with an effective Internet phone service, was a breakthrough in modern telecommunication development. TDX is a user-friendly, powerful and reliable multi-task system.

Our TDX Global Platform includes modules as follows:

- VoIP Traffic Control System
- Voice Coding Recognizing System
- Network Compensation System
- Radius Authentication System
- Intelligent Billing System
- Back Office Management System
- User Management System
- Distributor Management System



Telewise International now has two TDX Platforms in operation, one each in the UK and Hong Kong. In addition, one TDX Platform is scheduled to be built in the USA by mid 2006. Professional teams operate these platforms to ensure 7 x 24 technical and service support in the respective regions.

Features of TDX Global Platform:

1. Supports H.323 and SIP protocols. These two protocols are widely adapted in VoIP and are the industrial standard.
2. VoIP Traffic Control System:
 1. Route Setting: controls the VoIP traffic to dedicated carrier based on different destination

country.

2. Low Balancing: distributes the traffic to different carriers based on preset rules in order to maximize voice quality.

3. Network Monitoring: monitors the traffic and loading of Network and gatekeepers.

4. Voice Coding Recognizing System:

Automatic recognition of different kinds of voice coding system, including G711, G723, G729 and GSM. After identifying the encoding format, the system will connect to the correspondence gateway and terminal devices.

5. Telewise International Monitoring System:

1. Provides a simple view of the network status

2. Generates alarms on status change

3. Generates a history of status change

4. Monitors network status

5. Network Compensation System:

Unlike DDN or lease line, the communication bandwidth of the Internet fluctuates from time to time. When voice packets are being sent through the Internet, the sequence of these packets may be changed. For example, a voice sentence is divided into 4 packets (A, B, C and D). After encoding and sending to the receiver through the Internet, the sequence of the packets may be changed to B, A, D and C. When this occurs, the receiver will hear a strange voice. To prevent this problem, our system can identify every voice packet order and queue these packets for decoding so that the receiver can hear good voice quality and clearly.

6. Multi-Carriers: Support multi-carriers to ensure stable and best voice quality connections.

7. Radius Authentication System:

After the process of authentication, the system ensures the registered user has the right to use the service while hackers and unauthorized persons are denied entry.

8. TDX platform can recognize each different device of NAT , so that the user can communicate with each other without a proxy server.

9. Intelligent Billing System:

1. Supports prepaid, batch prepaid and post-paid.

2. Supports multi-currency and Multi-rate table.

3. Back Office Management System:

Provides traffic statistics - inbound and outbound, report generation, active / inactive user functions.

4. User Management System:

1. Users can manage their account online conveniently.

2. Users can check our most up-to-date IDD calling rates and CDR (Calls Detail Record, including time, destination country, caller number, rate and duration information), top up value, changing personal profile, password, account status and balance.

3. Distributor Management System:

Provides billing and back office management systems to distributor so that manage users' information and activities.

4. To ensure our clients receive quality communication, our intelligent registering systems will auto-route the user's connection to the nearest TDX platform depending on the IP address.

Looking ahead, we will continue to develop telecommunication technologies, including Internet (IP), WiFi, Networking and Wireless to meet the increasing needs of customers.