

# **X-LIN**

Hotware Intl' Co., Ltd.

## **Long Range Wireless LAN Platform**

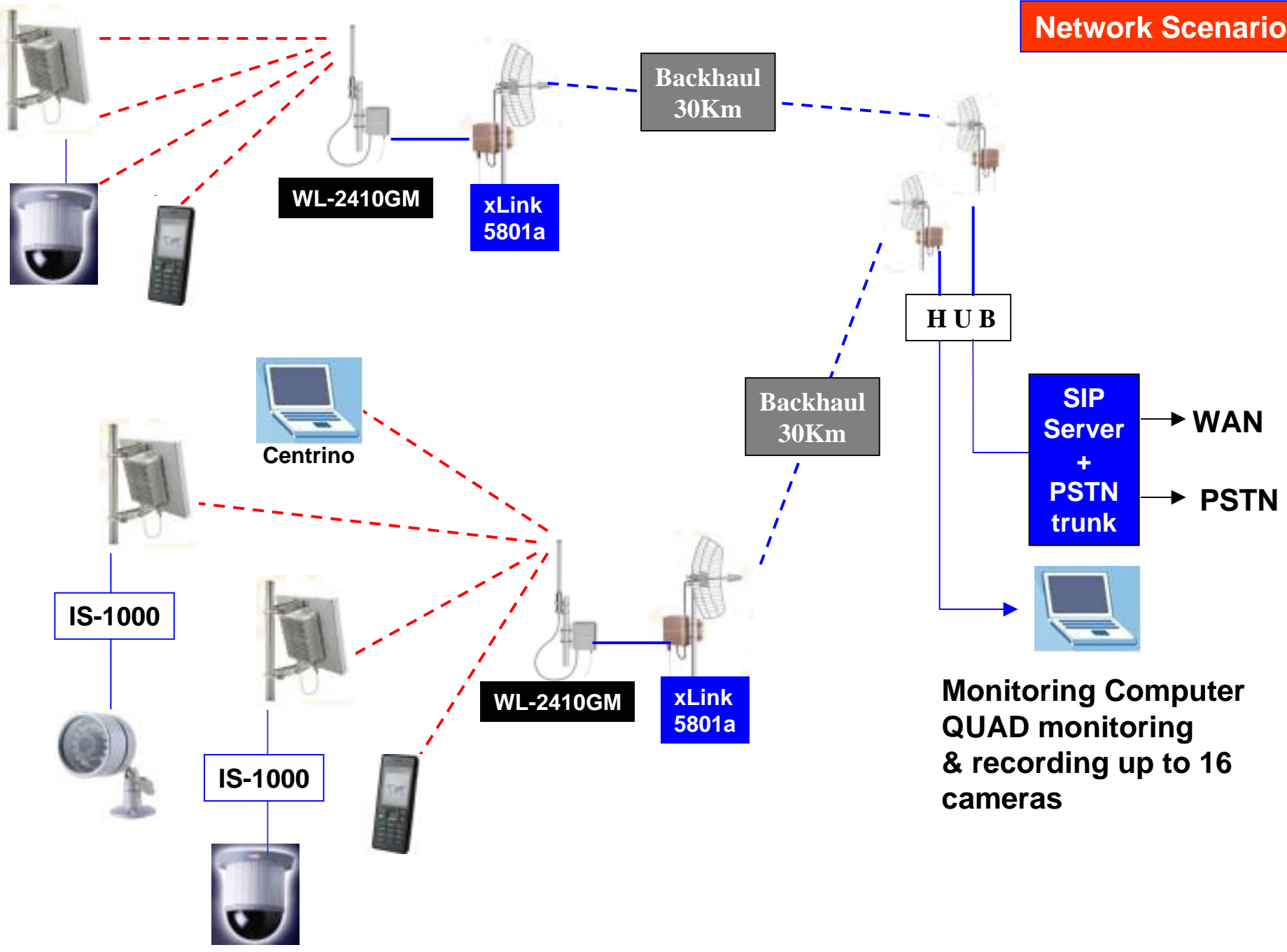
**Wireless Network for Surveillance,  
Internet, VOIP, WiFi handset in  
Quarry  
(Myanmar)**

June 2008

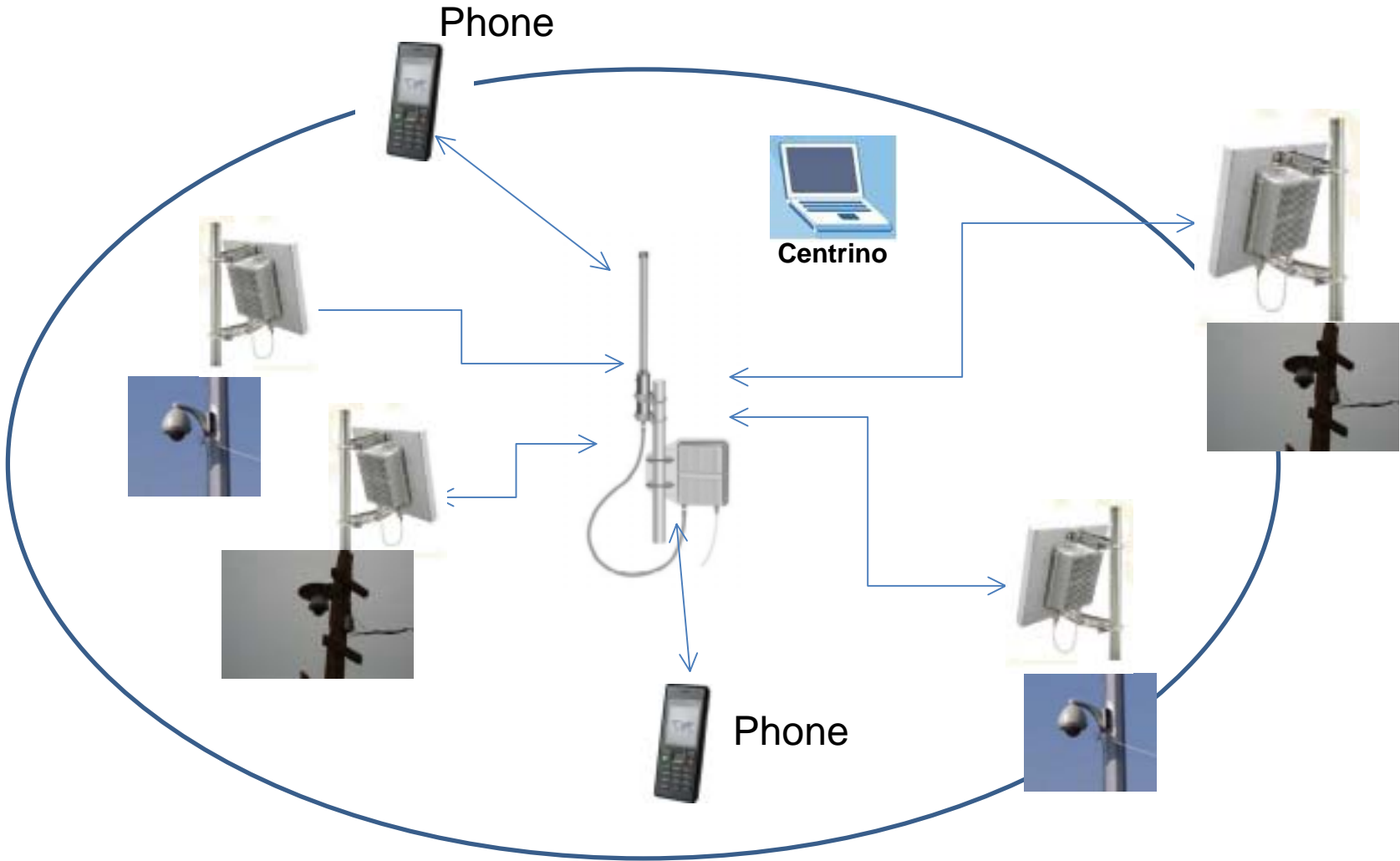
# Network Description

1. Wireless surveillance basing on WLAN platform;
2. Serving Internet, cameras, VOIP, WiFi handset;
3. Backhaul, AP and Client form up the service and network;
4. DVR for monitoring and recording simultaneously at control room.
5. SIP server for voice network : VOIP, WiFi handset

# Network Scenario



**Network Scenario  
At Quarry**





**Quarry View**



To IS-1000  
Cam server



xLink-5801a + Dish (30-dbi) as backhaul for 30Km



WL-24005G + fast dome



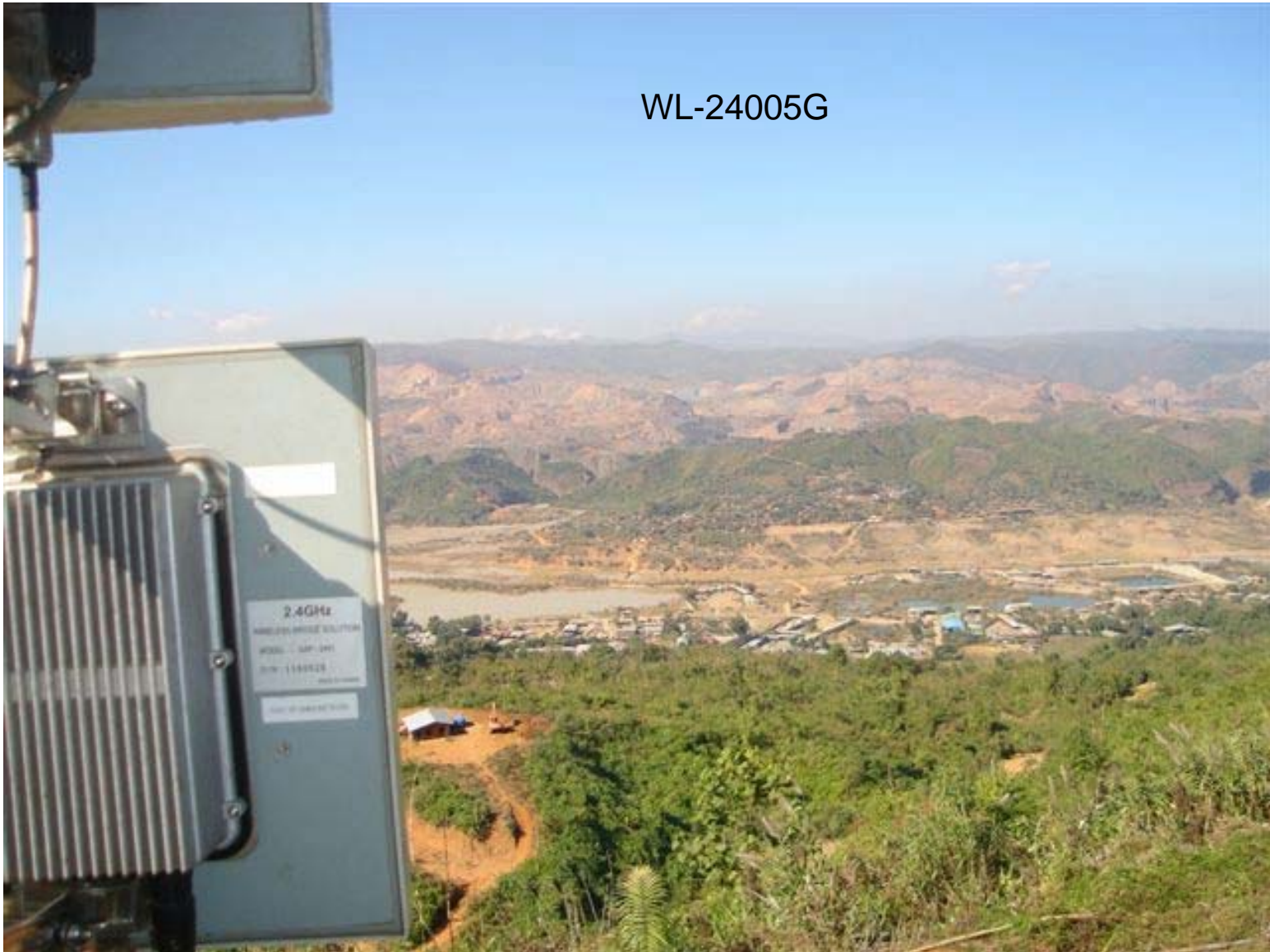
WL-2410GM  
as AP



To IS-1000  
Cam server



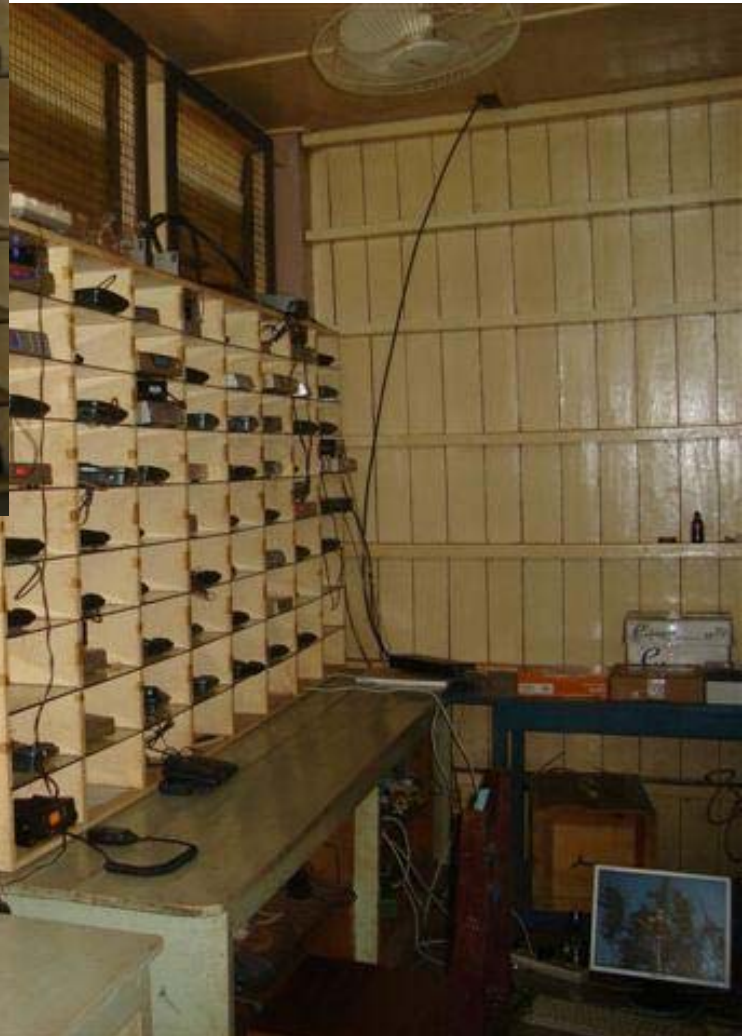
WL-24005G



# VOIP and surveillance Control room



Control room at Quarry



## Component 1: Long range backhaul



**xLink-5801a,  
802.11a, 5~5.8GHz,  
200mW/23dBm  
Backhaul**



True outdoor unit, POE design,  
-35c~70c, weather-proof

## Component 2: AP



**WL-2410GM**  
**802.11G/B, 1W**  
**AP/Client/Bridge/**  
**Repeater**

True outdoor unit, POE design,  
-35c~70c, weather-proof

## Component 3: True outdoor long range CPE



WL-24005g

2.4GHz, 802.11g/b  
100 mW, Outdoor unit  
with 18-dbi flat-panel  
antenna integrated

WiFi VoIP .....802.11.b.....



\$0.0386/1 minute

Wireless...



Save 60% \$



## Component 4: WiFi handset & SIP server



All user of WiFi handset under the SIP server will all be free of charge, and communicate with SIP register number. Only the outgoing call involving PSTN will render the phone charge.

## Component 5: cameras



**High quality PTZ CCD camera  
25x zoom (optical)  
day & night fast dome  
Star-light operational**



**Outdoor Infra-red Camera  
Projection: 16 meters or 25 meters**

## Component 6: IP Cam Server

### Web Cam Server



Rear Panel

### Fast Dome



### Wireless LANs

Through the WLAN, the fast dome can transmit the video image wirelessly and also remotely and wirelessly controlled from control center to do pan/tilt/zoom

# Software Controlling PAN/TILT/ZOOM, recording and Monitoring

Operator can access via internet with authorized ID and password

The image shows a software interface for video management. On the left, there is a vertical control panel with several sections, each highlighted with a red box and labeled with a blue text label and a red arrow pointing to the corresponding UI element:

- Camera selection**: Points to a row of three camera icons.
- DI/DO control**: Points to a row of four status indicators.
- Video quality control**: Points to a section with radio buttons for 'Normal', 'Standard', and 'High'.
- Recording setting**: Points to a dropdown menu for recording mode.
- Hard disk space indicator**: Points to a progress bar showing disk usage.
- Camera configuration**: Points to a section with 'PTZ', 'Zoom', and 'User Message' options.
- PTZ control and alert message**: Points to a large directional pad (PTZ control) and a 'ZOOM' button.

On the right, there is a **Video display area** containing four video feeds from different camera angles. Red arrows point from the 'Video display area' label to each of the four video windows.

**X-LIN**

**Innovation  
Thank you !**

**Hotware International Co., Ltd.**

[www.hotware.com.tw](http://www.hotware.com.tw)

[business@hotware.com.tw](mailto:business@hotware.com.tw)

Tel : +886-3-4639125

Fax ; +886-3-4639367

**Integration Center**

[integrate@hotware.com.tw](mailto:integrate@hotware.com.tw)