Uni-Link Network Management System

Hermesys

Uni-Link System

- Introduction
- Link Type
- Trigger Type
- Summary

Content

GUI for Uni-Link

Abbreviations

Uni-Link Management System

UMS

FlexSCPC

Dynamic SCPC

Home State

A pre-defined parameters set in modem which can be reloaded and activated when modem starting or unlock

Mesh

Building single hop link(between remote sites) on demand

TOS

Type of service is a segment in IP header to indicate different services

STDMA

Selective Time Division Multiple Access which not a standard TDMA.
Adopting multicast to broadcast burst map and to implement clock synchronization in the whole network

IPVC

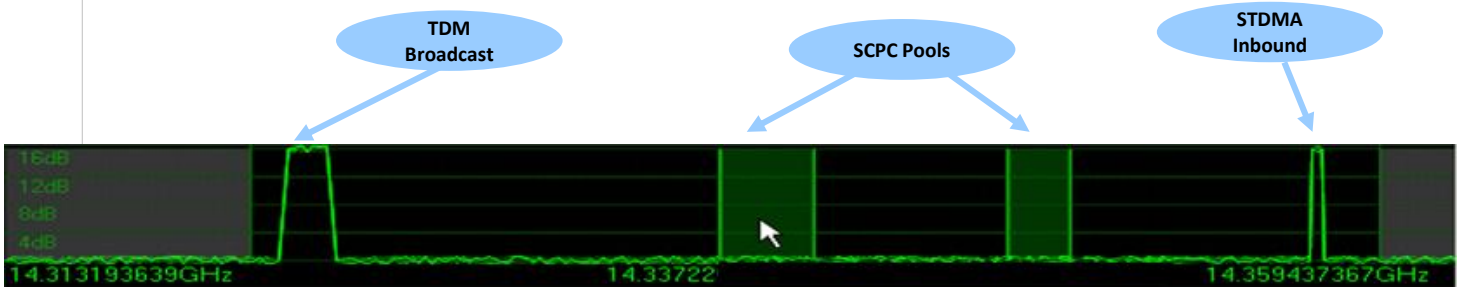
IP Video conference

Uni-Link network management

1. A centralized satellite network and bandwidth management system
2. Shared bandwidth pool
3. Using flexSCPC technology to implement allocating bandwidth and building link on demand
4. Multiple structure-star and mesh
5. Applications based on IP-VoIP/FTP/multicast/video streaming
6. Data rate: maximum to 30 Mbps
7. Less operation cost

Bandwidth Management

1. **Configuration flexible and changing easily**
   - Add/delete/edit bandwidth pool
2. **Operation on hub station**
   - All operation in hub station without any operation in remote sites
3. **Shared by whole network**



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1

Supporting DAMA

- Depending on bandwidth requirements and allocate the bandwidth from pool.

2

How to manage a link?

- To assign a link from NMS in hub station or to apply for a link from remote stations
- To allocate BW and build a SCPC link
- Application (H.323, SIP ,ToS) load and pre-defined schedule
- To change SCPC BW to adapt different application
- When application finish to drop a link
- Recover remote site to “home state”

3

Advantages

- Better utility of bandwidth
- Meet the business needs
- Service-oriented

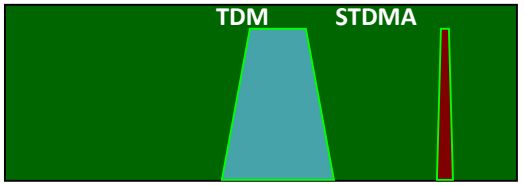
STDMA

1. **Selective Time Division Multiple Access**

2. **Through burst map sent from hub station and synchronizing time slot**
   - Remote sites return message with burst mode in common channel
   - No need any time synchronization equipment like GPS etc

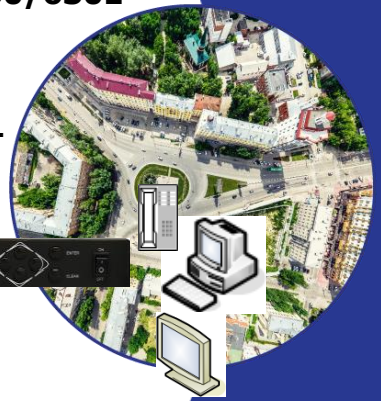
3. **Capacity**
   - Remotes in one STDMA burst channel<30

Home State



All remotes are configured with MT-630/630L

Remote 1



MT-630/630L

MT-650/650L

UMS

Remote 2

Remote 3

Uni-Link Management System

Please contact Hermesys for more technical detail

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Thank you

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