

# TS6610

*With perfect combination of excellent performance and powerful functions, TS6610 videoconferencing terminal brings you the enhanced communication solutions tailored to suit the needs of your enterprise.*



## • Exceptional Video/Audio Quality

Embedded with efficient H.264 video codec and Broadband Sound Processing technologies and with integration of the Video Intelligence Optimization and Coding Policy Adjustment technologies®, TS6610 lets you enjoy an exceptional audiovisual experience in any type of bandwidth environment, even in limited uploading speed of ADSL access networks.

## • Efficient Remote Collaboration

It becomes very easy by sharing a high resolution screen images from your laptop through this video communication channel with multiple sites. Every participant can browse your presentation slides, pictures, spreadsheets or documents simultaneously while watching your speech image. Audience can choose a PIP mode either on one TV set or use one TV and one projector separately.

## • Strong Network Adaptability

With power of IPLR (Intelligent Packet Loss Recovery), Dynamic Rate Adjustability and QoS Optimization technologies, this Meeting Terminal can automatically adapt to different network environments and ensure conference running under adverse Internet network conditions. TS6610 also consists of a built-in proxy, which allows setting up a traversal over NAT and firewall, without any additional equipment. Thus, you can rapidly deploy a highly secured network on the basis of Internet connection.

## • Intensive Security Feature

TS6610 adopts the 128-bit high-reliability encryption mechanism to ensure conference information security. In addition, it incorporates the embedded design architecture based on dedicated chips and strict authorization & authentication policies to prevent system security from unauthorized access.

## • Telephone Call

TS6610 provides user with the incoming/outgoing phone call function. Those who are not present to a conference site can also attend the conference by using a fixed line telephone or a mobile phone. In fact, it can serve as a standalone teleconferencing terminal.

## • Conference Multicast

TS6610 supports conference multicast function. It can make live multicast of a conference to LAN users. In this way, those who are not present to conference site can watch the conference from their PC in office.

## • Embedded MCU (Only for TS6610E)

By use of an embedded MCU, TS6610E can get access to a maximum of five remote sites at the same time. To create a multipoint conference, it won't require any additional equipment, which saves considerably cost.

## • Simple and Easy to Use

TS6610 is a compact and fashionable design product with integration of a high-performance PTZ camera. Besides, the package comes with a high-quality omni directional microphone. The setup is simple by connecting TS6610 to a TV set or projector and to a network connection. TS6610 provides you with a friendly Graphic User Interface; you can use the remote control to initiate a conference, just as simple as making a phone call.



**TS6610** is a set-top videoconferencing terminal, integrated with a PTZ camera. Its small form factor with highly fashionable Italian style design, incorporating outstanding video & audio performance and exceptional network adaptability, TS6610 brings you perfect videoconferencing experience and delivers functions like synchronous transmission of speaker and laptop screen, telephone calls, streaming media, firewall traversal and encryption policy. TS6610 performs also a strong extension conference in order to create efficient and real life communications with remote instant collaboration.

# TS6610

## Technical Specifications:

### Protocol Standards

System standard: H.323  
Video standard: H.264  
Audio standard: G.711, G.722, I Annex C/Polycom®  
Siren14™, G.728  
Dual video standard: H.239  
Network protocols: TCP/IP, Telnet, HTTP, FTP,  
SNMP, DHCP, RTP/RTCP  
Other standards: H.225, H.231, H.235, H.241,  
H.242, H.243, H.245, H.281

### Conference Rate

Up to 4 Mbps

### Video Resolution

CIF (352×288)  
4CIF (704×576)  
VGA (640×480)  
SVGA (800×600)  
XGA (1024×768)

### Video Frame Rate

PAL: 25 frame/second  
NTSC: 30 frame/second

### Video Input

1×RCA, composite video

### Video Output

2×RCA, composite video  
1×VGA, PC content

### Video Features

PIP display  
Video input signal detection  
Adjustment of brightness, saturation, and contrast  
Local video loop function

### Audio Input

1×MIC, XLR interface (12V phantom power supply)  
2×RCA, line level  
1×KAI, dedicated Keadacom Audio Interface  
(Application functions to be extended)

### Audio Output

2×RCA, line level

### Audio Features

Automatic mixing of multiple inputs  
Automatic Echo Cancellation (AEC)  
Automatic Noise Suppression (ANS)  
Automatic Gain Control (AGC)  
Mute and quiet control  
Active lip synchronization

### Network Interface

2×10/100Mbps

### Control Interface

1×RS232  
Infrared remote control

### Phone Interface

1×FXO

### Other Interfaces

1×USB 2.0 (Application functions to be extended)

### Network Adaptability

NAT/firewall traversal  
IPLR  
Dynamic rate adjustment  
QoS (DiffServ, IP Precedence)  
IP address conflict detection  
PPPoE

### Security Features

H.235 conference encryption  
128-bit AES encryption  
Conference password  
Login authentication and authorization  
Gatekeeper password authentication

### Management and Diagnosis

OSD menu management via a remote control  
PC Web login management  
Online configuration and remote upgrade  
Terminal self-test, loopback test, color bar test, and audio test  
Running status monitoring, alarm display and sending  
Address book management

### Embedded MCU (Only for TS6610E)

6-point MCU (local site + 5 remote sites)  
Continuous Presence, and intelligent mixing  
NAT/Firewall traversal  
Embedded gatekeeper

### Multicast Functions

Conference code streaming multicast  
Dual video streaming multicast  
Multicast password authentication

### Dual Video Stream

H.239 dual video stream  
Adjustable dual streaming bandwidth allocation  
PIP mode/Dual display mode

### Caption Function

Boardroom logo  
Boardroom simulation banner  
Short message sending/receiving

### Camera

Optical zoom: 18X  
Maximum horizontal angle of view: 48°  
Pan Range: ±100°  
Tilt Range: ±30°  
Horizontal resolution: 460 lines  
Minimum illumination: 1.0 lux  
Auto/manual zoom  
Automatic white balance  
PTZ control  
Number of preset positions: 6

### Electric Features

Power consumption: ≤30W  
Adapter power supply: AC (90~246V/47~63Hz)

### Environmental Requirement

Operating temperature: 0°C~40°C  
Operating humidity: 5%~85% (non-condensing)  
Atmospheric pressure: 86~106kPa

### Physical Features

Dimensions: 150mm(H)×270mm(W)×210mm(D)  
Weight: ≤2kg

