mm745

The converged communications tool for the 21st century

- Premium quality video and audio
- As instant, simple and flexible as a telephone
- Powerful Equator® and Power PC® architecture
- Compatible with standards-based IP telephone systems
- Handsfree video/audio conferencing capability
- Integrated web browser
- Unique feature-rich phone book

Information rich

In a world where information flows so freely, keeping one step ahead is essential to gain and maintain competitive advantage. mm745 is the tool to enable you to do just this.

Combining the ability to spontaneously communicate via video with colleagues and customers at the touch of a button, with the ability to access web information and personalised software, mm745 is the very latest in communications technology.

Easy to use

mm745 has been specifically designed around the form synonymous with the traditional telephone and making a call is as simple as dialling the number.

An intuitive user interface allows the user single-touch or click calls from the phone book, and access to on-line directories, meeting services, and presentations via the integrated web browser. Media-rich features such as thumbnail pictures of the person you are calling and distinctive ring-tones are the hallmark of this next-generation technology.

Each unit comes with an infra-red keyboard and mouse to maximise use of the browser function.

Superior quality

With more processing power than the average computer, mm745 delivers TV-quality video conferencing.

However, mm745 is network friendly using a variety of mechanisms to adjust its bandwidth consumption in line with that available - so your call is maintained without causing inconvenience to others.

The superb video quality is naturally complemented by quality hands-free audio with full duplex echo cancellation, allowing mm745 to hold its own in comparison with much larger and more costly systems.

Integrates perfectly

Being IP-based, mm745 can be introduced and make video calls anywhere on your LAN, WAN or VPN, or through a gateway to other video-conferencing systems. It is network friendly using only the bandwidth available so that other services are not inhibited, and it is easy to load dedicated applications.

mm745 is feature-rich, including a range of connectors for accessories and peripherals. Video, audio and data interfaces have been incorporated to allow applications such as seamless integration with automated information systems, or for the unit to be used as a group conferencing system.

Brings major cost benefits

Accompanying mm745 are all the well founded benefits of video conferencing: reduced travel, reduced stress, reduced costs, increased worker-efficiency, improved staff retention, and the enabling of home-working.

However, mm745 offers home workers instant interaction at an unprecedented quality:cost ratio, further improving communication and efficiency.

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Innovation with vision™

mm745

Technical specifications

Communications Protocols Supported
Video ITU-T H.323 Packet-Based
Multimedia Communications over Ethernet
- Video and VoIP via H.323
- Video compression H.263+
- Audio encoding G.711

System Performance
- CIF video format 352 x 288 pixels
- QCIF video format 176 x 144 pixels
- CIF/QCIF at 30 fps (typical figures at 384Kbps)
- Capable of operation at bandwidths between 128Kbps - 768 Kbps (mm745) 128Kbps - 2Mbps (mm745T)

Video Inputs
- Internal CCD colour camera (fixed focus)
- 2 composite video inputs (PAL/NTSC auto sensing)

Video Outputs
- Integrated XVGA 12.1″ Active TFT LCD Display
- 1 Composite video output 1Vpp into 75 Ohms
- 1 S-Video output
- Video output format PAL/NTSC software selectable

Audio Operating Modes
- Handset
- Headset
- Hands-free

Audio Inputs
- 3.4 KHz Handset with hearing aid induction loop
- Dual internal microphone array
- Microphone input
- 2 Line input channels 17KΩ,1V RMS max.

Audio Outputs
- Handset, Headset
- Internal speaker
- Stereo output
- Line output 600Ω, 300mV RMS max

Communication Ports
- 1 or 3 Ethernet 10/100 interface
- 2 RS-232 ports (up to 460,800 Baud with full nine pin interface)
- (RS-232 Port 2 supports serial mouse connection)
- 2 USB Host ports support 1.5 and 12Mbps protocol speeds*
- IR interface for use with wireless keyboard

Control Inputs
- Touchscreen
- Display mounted soft-keys
- Telephone style keypad
- IR remote keyboard
- Serial mouse

Special Features
- Clamshell design
- 1024x768 pixel XGA LCD display with touchscreen
- Focus free internal color camera
- Icon based user interface
- Soft-key control system
- Web browser
- Graphical Telephone Directory
- Extensive call logging facilities
- Picture-in-Picture (PIP) display, movable, sizeable
- Simple phone interface
- Speed dial
- Full feature phone functionality
- Image snapshot facility
- Audio mute & Video freeze privacy modes
- Password protected use
- Compatible with industry standard H.323 equipment, gateways, gatekeepers and MCU's
- Simple installation using on screen start up wizard
- Software updates/upgrades downloadable via Motion Media's web page
- Media Flash card slot*
- Java® based graphical user interface capable of running 3rd party Java applets
- Hands free operation with sub-band acoustic echo cancellation and active noise suppression
- Customizable wall paper
- Real time clock

- Selectable languages*
- Illuminated ring indicators on base and display
- On line help

Power
- DC input requirement nominal 12 Volts.
- Power consumption 30 Watts
- External 85-265 VAC/ 50-60Hz auto sensing power supply

Physical / Environmental
- Folded size 270mm (w) x 290mm (d) x 135mm (h)
- Weight 3.7 kg
- Temperature
  - Operating 0˚C to 40˚C
  - Storage -10˚C to 60˚C
- Humidity
  - Operating 20% to 90% (non-condensing)
  - Storage 10% to 95% (non-condensing)

Accessories
- CAT5 Ethernet cable, length 5m
- Power cord, length 4m (including external power brick and cord)
- IR Keyboard, Serial Mouse
- User Manual and Quick Start Guide
- Warranty Card

Optional Configuration
- 3 port 10/100 switch
- Touchscreen

Approvals
- CE Europe
- FCC part 15B
- For other countries contact your supplier

Warranty
- One year parts and labor

Specifications subject to change without notice

*Not supported at initial release - please contact your Motion Media representative.

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