



The IRMC is an internet-enabled, customisable, media center designed to deliver the entertainment and communications services demanded by the hospitality industry to meet the needs of the guest of the future.

Broadcast and Video-on-Demand Services

Supporting current MPEG-2 video-on-demand and broadcast services as well as Windows® Media and H.264 advanced services, the IRMC is perfectly positioned to provide the widest possible range of in-room video services. Optional access to internet movie portals, YouTube® and internet radio services enables evolution to web-based content services.

Integrated TV Control

The IRMC supports serial and IR interfaces to existing televisions and a complete API to ensure complete control over any in-room TV. Both new generation LCD TVs with direct serial control, and older generation CRT TVs with IR remote access, can be supported.

Internet Enabled

The IRMC is fully internet enabled with an embedded browser and optional IR keyboard. The IRMC provides access to web sites, email, instant messaging and networked office applications such as Google® Docs and Microsoft® Office Live.

Wireless Networking

The optional 802.11b/g/n wireless feature enables support for wireless communication to the building's wireless network. Peer-to-peer support* enables the IRMC to be used as a guest wireless internet access point within the room.

Advanced Networking

Supporting either a single or dual* Ethernet the IRMC can act as either a network end-point or network bridge for guest and in-room applications. VLAN support* enables individual guest segmentation for security, content filtering and traffic flow management.

Content Protection

The IRMC supports Windows® DRM, Verimatrix™ and SecureMedia™ content security systems. Embedded AES decryption enables full support for other IPTV 'virtual' conditional access systems.

Additional Applications

Included within the IRMC is an optional development environment and APIs to support additional applications to meet the specific needs of the hospitality customer.

State-of-the Art User Interfacing

The IRMC supports Adobe® Flash for high impact, easy to implement, user interfaces. HTML/JavaScript and Java are also available as tools for developing user interfaces

Easy Maintenance

The IRMC is fully software upgradeable using remote management services. Wall-mounted with a fast-release VESA mount, the IRMC is designed for ease of hardware maintenance and replacement. Automated alarm reports are provided on remote control low battery condition.

Features - Quick View

- Standard and high definition codecs - H.264, WMV9, MPEG-2
- Control of TVs through standard and proprietary protocols
- Internet browsing, web mail, messaging services
- Advanced wireless and Ethernet networking
- Supports market-leading conditional access
- Advanced user interfacing with Adobe Flash
- Customisable with unique applications
- USB port for extending in-room functionality
- Remotely manageable and low-cost maintenance
- CE/FCC approved

Benefits of the IRMC in Hospitality Applications

Extending the life of the system by adding new services

The IRMC can be software upgraded remotely and is extensible via the USB port to support additional devices, enabling the operator or hotelier to add customer services and applications without replacing or re-cabling the in-room infrastructure.

Adapting to legacy and new generation hospitality requirements

The IRMC is able to support legacy and next generation infrastructures enabling in-room services to migrate as the needs of the business dictate. Scalable support for standard and high definition TV enables different quality of service to be offered in different rooms.

Reducing the cost of maintenance

The IRMC is designed to enable low cost hardware maintenance and includes automated management services to minimise site or room visits for maintenance operations.

Additional revenue opportunities via converged customer services

The IRMC enables the integration of internet access, video-on-demand content delivery, web-based applications and new converged applications such as internet telephony and video conferencing.

Reducing costs with a single platform for worldwide applications

The IRMC is approved for use throughout the world and has interface options for European, North American and Asian regions enabling a single device to meet the needs of global hotel chains.

Enhancing customer experience with differentiated services

The IRMC can be used as a base device for all partner services, adapting to the requirements of different hoteliers and service providers to meet the specific service differentiation objectives of individual brands.

Enhancing customer experience with control of other in-room devices

With serial, IR and Ethernet interfaces under full software control the IRMC is able to control virtually any in-room device or TV.

Technical Specifications

European Model



World Model



IR Extender



Physical connections	10/100 BaseT auto-sensing, auto-negotiation, auto MDI/MDIX RJ45 Ethernet; USB 2.0; HDMI 1.3 with HDCP support; S/PDIF coaxial or optical for digital audio; component YPbPr standard and high definition output; composite CVBS output; RCA analog stereo out; SCART output with support for composite, RGB, S-video and stereo audio.
Video	Profiles: MPEG-2 MP@HL; H.264 Main Profile and High Profile to L.4.1; VC-1 to AP@L3, MPEG-4 ASP at Level 4; DivX 3.11, 4.11, 5.x, 6.x Max bit rate 20 Mbps. Resolutions: 480i/p, 576i/p, 720p, 1080i/p output; up and down scaling across resolutions. TV formats: PAL B/D/G/H/I/M/N, NTSC-M/J, SECAM
Audio	Profiles: MPEG-1/2 layer I, II; MP3; MPEG-2/4 AAC LC and HE; Windows Media Audio, Windows Media Pro Audio. Max bit rate 192 kbps. Features: Stereo down mix
IPTV	Broadcast, multicast, unicast, VoD, MPEG-2 TS, ISMA TS, TCP, UDP, RTP, RTSP, IGMP version 2/3, DHCP client, ICMP
Content protection	Windows DRM; SecureMedia; Verimatrix, Macrovision 7.01 copy protection; HDCP on HDMI interface; AES to 256 bits, DES/3DES/CSS/CPRM/DTCP
User interface	WebKit or ANT Galio™ (option) browser with JavaScript extensions to support media control and playback. Adobe™ Flash player 6 with ActionScript™ 2. RC5/RC6 infrared remote control; IR keyboard (option); picture in graphic; picture in picture (simultaneous SD+HD display); on screen display; standby on/off modes; full control of video placement and scaling.
Application software	Java Virtual Machine, YouTube™ playback
Additional interfacing	IR extender cable with integral IR forwarding to TV; serial extender cable (mini-DIN to 9-pin D-type interface)
Graphics	Video plane, graphics/video plane, dedicated graphics plane, caption/sub-titling plane. 1920x1080 resolution, 32-bit ARGB.
Management	Full API control of all system parameters; embedded web user configuration; remote HTTP and TFTP upgrade
Application processor	400 MHz Dual Core CMT MIPS®/16e; Linux 2.6.12 RAM: 512 MB; Flash memory: 128 MB;
Power requirements	External PSU: 100-250v AC, 50-60 Hz, 1000mA
Environmental	Operating temperature: 0 °C to 45 °C. Dimensions: 200 x 200 x 48 mm (out of packaging). Weight: 1.2 kg