

Applications

Video on demand (VoD) services provide hoteliers with a significant opportunity to increase revenue. The AmiNET110H is a cost-effective, Set-Top Box (STB) designed specifically for use in hotel and motel guest rooms.

It is also suitable for enterprise applications where a discreet, robust TV decoder is required.

Advantages

Fully digital systems provide numerous benefits for the operator:

- Easy update of content via remote download - no more tapes or CDs to track and ship
- Remote management of the system - fewer on-site service calls
- Able to integrate with other guest services - telephony, Internet, billing, information

The AmiNET110H is an ideal component of a digital guest-room entertainment solution.

Guest Internet Connection

Guest Internet usage can be an integral part of the service. With the AmiNET110H, it is not necessary to route multiple physical networks to each guest room. The AmiNET110H provides a dedicated, fast Ethernet connection for guest use. The connection has built-in quality of service (QoS) control, allowing guest and video traffic to share a single IP network with complete security and without compromising video transmission quality.

TV Interface (TVI)

For prestigious developments where specific hospitality TVs are used, for example Philips Smartport, the AmiNET110H can be factory fitted with TVI. This enables the STB to directly control compatible TVs. The addition of TVI brings the following benefits:

- No visible hardware (when using the TV remote control)
- TV control through STB, browser and network

Dolby Multi-Channel Audio

In addition to stereo audio outputs, the AmiNET110H includes a Dolby 5.1 surround sound output for prestigious installations.

Robust

The AmiNET110H is designed to be both discreet and robust. The slim line black case can be mounted under a desk or counter top and is designed to discourage unauthorised removal.



Applications

- Guest-room video and Internet: Hotels, Motels, Cruise Ships
- Enterprise video streaming: Retail, Corporate, Advertising

Main Features

- Second, fast Ethernet port for guest Internet connection
 - Switched for security and reliability, QoS control
- Connection for miniature IR Extender
- Discreet, robust chassis, with integral fixings
- Flexible audio and video output:
 - Composite Video, S-Video, Component, RF, RGB
 - Stereo Audio
- Dolby 5.1 multi-channel audio (Electrical SP-DIF)
 - Ideal for prestigious installations
- USB Port
 - Connection for game controller
- IR Remote Control
 - Combines STB and TV command functions
- Video decode with picture in graphics technology
 - MPEG1 & MPEG2 MP@ML
- Video Protocols
 - Multicast IPTV (IGMP control)
 - VoD (RTSP control)
- Cost-effective management and maintenance
 - Key-protected, scalable multicast software upgrade
 - Remote management via network
- Macrovision copy protection
- HTML 4 browser with JavaScript

Optional Features

- IR Keyboard
- IR Extender
- TVI connection provides direct control of TV functions

Advance Information: This document contains the specification for a product under continuous development. Specifications may change in any manner without notice.



IR Extender

For prestigious environments, where a minimum visibility installation is required, the AmiNET110H can be installed out-of-sight behind a cabinet or partition. To allow control of the STB an IR Extender (sold separately) replicates the IR input and blasting facility on the front of the STB, with a range of 6 metres (minimum using an Amino remote). The IR Extender is mounted close to the guest-room TV using the adhesive pads supplied. Its 2.5 metre cable plugs into the STB connector, allowing power to be supplied by the AmiNET110H.

Application Development

Amino software technology is based on open standards such as Linux and HTML. Application developers for the AmiNET110H benefit from the Amino JMACX system which enables full control of the STB functions from the browser. JMACX provides the service operator with a powerful set of HTML and JavaScript extensions which allow simple and highly effective user interface designs to be created or ported.

For increased flexibility in creating custom applications ADKs and SDKs are also available.

TV Compatibility

The Amino supplied remote control is compatible with a wide range of TVs and the TVI is compatible with most hospitality TVs (please check TV models with an Amino sales representative).

Browser Options

The AmiNET110H can be supplied with either ANT or the Opera browser.

Installation

Installation requires:

- One power socket for the external, in-line power supply
- One Ethernet connection to a central video server
- RF video feed for terrestrial broadcast channels (optional)
- Optional remote IR Extender



Rear View & IR Extender

Detailed Specification

Video Out	Composite, S-Video, Component Video, SCART, 4:3 and 16:9 formats, RF loop-through NTSC-M
Audio Out	Stereo Audio, Dolby 5.1
Peripheral Port	USB 1.1
Graphics Resolution	640x438 (525-line) or 640x512 (625-line), 16 bit RGB colour, 8-bit Alpha Blending
Codecs	MPEG1 & MPEG2 MP/ML
Size	STB - 170 x 136 x 37 mm (w x d x h) IR Extender - 34 x 54 x 20 mm (w x d x h)
Weight	700g
Construction	Zintec pressing
Finish	Black, painted
Power	5V, 800mA (nominal)
Operating Environment	ETS 300-019-1-3 Class 3.1
EMC Conformance	FCC Part 15, Class B
Safety Approvals	UL 60950 and CSA approvals

Accessories

Multi-function IR Remote (Customer specific)	Standard
IR Keyboard	Optional
In-line Power Supply*	Standard
RF Cable US 'F' connectors	Standard
Other Video, Audio cables	Optional
Remote IR Extender	Optional
User Guide	Not Applicable

* Regional options

Multicast Loader

The Amino multicast server software ensures that any DHCP-configured Amino STB (such as the AmiNET110H) connecting to the network, or powered up, can be rapidly and securely loaded with the latest signed software image authorised by the service provider. The multicast loader is installed on a Linux PC at the head-end, and transmits the software image in a continuous carousel, ensuring rapid start-up regardless of the number of STBs in the system. Available under a separate license agreement.

Content Protection

The AmiNET110H supports a variety of smartcard-less Conditional Access (CA) systems (contact an Amino sales representative for the latest information).