



# AmiNET130H

Ethernet Set-Top Box with AVC & HD Support for Premium Guest Room Applications

Designed to provide system integrators with a premium solution for interactive IPTV, the AmiNET130H is the first hospitality single chip Set-Top Box that supports High Definition TV output and low bit rate codecs.

## High Definition (HD) Output

With a dedicated HDMI port that supports video resolutions up to 720p & 1080i and graphical resolutions up to 720 x 1280, and analogue AV connectors, the STB provides the complete solution for today and tomorrow's hospitality needs. HD will enable increased revenues through a higher level of service & through additional chargeable services such as Internet on TV.

## Advanced Codec Support

The incorporation of low bit rate codecs such as H.264 allows the use of HD content without the associated bandwidth issues. The reduction in bandwidth allows for lower infrastructure costs, thus reducing the total cost of ownership.

## Guest Internet Connection

Guest internet usage can be an integral part of the service and a key revenue source. With the AmiNET130H, it is not necessary to route multiple physical networks to each guest room. The AmiNET130H 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)

Where specific hospitality TVs are used the STB can communicate and control the TV set. This provides several benefits, such as:

- No visible hardware
- TV control through STB, browser and network

Currently Philips Smartport and LG/Zenith MPI protocols are supported. Check with an Amino sales representative for details on future protocols.

## Robust Design

The AmiNET130H is designed to be both discreet and robust. The slim-line black case can be mounted out of sight or under a desk and is intended to discourage unauthorised removal.



## Main Features

- High performance integrated silicon architecture, 300 MIPs with dedicated codec support
- Flexible AV options
  - HDMI with HDCP up to 720p and 1080i
  - Composite, S video, Component and Scart
  - Dolby 5.1 multi-channel audio (optical S/P-DIF) and analogue Stereo
  - 4:3 and 16:9 video stream aspect ratios
- MPEG 1, 2 & 4 (AVC) H.264
- Second, fast Ethernet port for guest Internet connection with QoS functionality
- TVI support for leading hospitality TVs
- Video Protocols
  - Multicast IPTV (IGMP control)
  - Video on Demand (RTSP control)
- USB 2.0 master
- IR remote control (combines TV and STB functions)
- Discreet, robust chassis with integral fixings
- Optional remote IR Extender
- Cost effective management and maintenance
  - Key-protected, scalable multicast software upgrade
  - Remote management via network
- Macrovision Copy Protection

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

## IR Extender

For prestige environments, where a minimum visibility installation or control of AV equipment is required, the AmiNET130H 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 A130H.

## Application Development

Amino software technology is based on open standards such as Linux. System developers benefit from the pre-installed internet browser and can very quickly create a video and guest services application using HTML and JavaScript.

## Supported Browsers

The AmiNET130H will support Ant, Espial and Opera browsers.

## Content Protection

The AmiNET130H is compatible with a range of leading smartcard-based and smartcard-less content protection and rights management solutions.

## Installation

Installation requires:

- One power socket for the external, in-line power supply
- One Ethernet connection to a central video server
- Optional remote IR Extender

## Multi-cast Loader

The Amino Multi-cast server software ensures that any DHCP-configured Amino set-top (such as the AmiNET130H) connecting to the network, may be rapidly and securely loaded with the latest signed software image authorised by the service provider. The multi-cast 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 set-tops in the system. It is therefore completely scalable.

## Detailed Specification

Outputs	HDMI, Composite, S video, Component Video, Scart, SD/HD PAL or NTSCM, Optical S/P-DIF, USB 2.0, TVI port, Ethernet 10/100 Base T
Inputs	Ethernet 10/100 Base T
Codecs	MPEG1, 2 & 4 AVC
Size	190 x 134 x 36mm
Construction	Zintec pressing
Finish	Black, painted
Power	5.2V, 3A, 8W typical usage TBC
Operating Environment	ETS 300-019-1-3 Class 3.1
EMC Conformance	EN55022. FCC Part 15
Safety Approvals	Safety certification to EN60950, and ELSVD. CE, CB and CSA Safety approval

## Accessories

Multi-function IR Remote	Standard
IR Keyboard	Optional
In-line Power Supply*	Standard
A/V Cable	Optional
Remote IR Extender	Optional

\* Regional Options

