



# AmiNET125

## Multi-codec, IP Set-Top Box

The AmiNET125 is a multi-codec Ethernet set-top box (STB) designed for IPTV and Video on Demand (VoD) applications. The advanced, low-cost chipset features a combined programmable codec DSP and host processor. This enables development of new services to increase revenue per subscriber while offering protection against changing standards. With an Ethernet input and highly flexible audio and video outputs, the AmiNET125 provides an elegant and powerful means of delivering sophisticated interactive digital television including multicast, VoD and Internet access.

### Increase return on investment

Advanced codecs such as H.264 and WMV9 use lower bit rates enabling more customers to be served with the same infrastructure and increasing the reach of DSL networks.

### Reduce the cost of AVC transition

Multiple codec capability enables the same STB to be used on legacy and advanced networks eliminating the need for a truck-roll when the infrastructure is upgraded.

### Accelerate deployment

Amino software has been integrated with leading IPTV middleware and Conditional Access (CA) providers to ensure rapid deployment of a proven, reliable solution.

### Versatile

The AmiNET125 may be used with a wide range of home networking products, to deliver IPTV in multiple rooms. Configurable audio and video outputs allow old or new TV sets to be used for viewing.

### Compact and elegant

Supplied in a compact and elegant enclosure, based on the award winning AmiNET100 design, the AmiNET125 adds style to the most visible component of an IPTV deployment. For high volume orders, Amino can provide custom logos and colours to further enhance your brand.



### Supported middlewares

Amino STB products are supported by leading IPTV middleware providers for integration as part of a broadband TV solution. The AmiNET125 also enables applications in HTML and JavaScript.

### Main features

- VC1 (WMV9) D1 resolution up to 2.5Mb/s
- H.264 MP@L3 D1 resolution up to 2.5Mb/s
- MPEG-2 MP@ML D1 resolution up to 10Mb/s
- Flexible audio and video output via cable options
  - Composite, RGB, Component, S-Video
  - PAL and NTSC Stereo Audio
  - Dolby 5.1 surround via coaxial S/P-DIF
  - 4:3 and 16:9 formats
- RF modulator output with loop-through
- Teletext/closed caption decoding and subtitling
- 16-bit colour graphics with alpha-blending and picture in graphics
- Video protocols
  - Multicast IPTV (IGMP control) • VoD (RTSP control)
- USB 2.0
- IR remote control combines STB and TV command functions
- Interface to 10/100BaseT Ethernet
- Key-protected, scalable multicast software booting option
- Remote management and software upgrade via network
- 128MB SDRAM as standard
- Smartcard for CA systems support
- HTML 4 browser with JavaScript
- Silent operation - no forced air cooling

### Optional Features

- Macrovision copy protection
- IR keyboard
- Input method engines
- Alternative language fonts

## Content security

AmiNET125 is compatible with a wide range of leading smartcard-based and smartcard-less content protection and rights management solutions.

## Supported browsers

For Internet access, and middleware compatibility, the AmiNET125 supports a variety of browsers including ANT and Opera.

## Application development

Amino software technology is based on open standards such as Linux and HTML. Application developers for the AmiNET125 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.

## Software update and maintenance

The Amino multicast server software ensures that a DHCP-configured Amino STB connecting to the network may 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 upgrade regardless of the number of set-tops in the system. It is therefore completely scalable.

## Installation

The AmiNET125 is supplied with a country specific plug top power supply, and a choice of video cable. An external ADSL or other modem is required for connection to the broadband network. Installer configuration is on-screen via internal HTML pages.



## Detailed specification

Outputs	Composite, Component, RGB, S-Video, SCART. SD PAL or NTSC. RF Modulator with loop-through. Stereo & Digital Audio S/P - DIF (Electrical). USB 2.0.
Input	Ethernet 10/100 Base T
Codecs	MPEG1, 2, MPEG4 pt2 & pt10 (AVC) VC1 (WMV9)
Size	114 x 100 x 35mm
Construction	One-piece Aluminium Extrusion
Power	5V, 1.2A, 6W
Operating Environment	ETS 300-019-1-3 Class 3.1
EMC Conformance	EN5502. 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
Plug-top Power Supply <sup>1</sup>	Standard
SCART Cable <sup>2</sup>	Optional
S-Video + Composite Cable <sup>2</sup> (CVBS)	Optional
RGB Cable <sup>2</sup>	Optional
Component Video Cable <sup>2</sup> (YpbPr)	Optional
User Guide	Standard
Anti-slip Base-plate	Standard

<sup>1</sup> Regional options

<sup>2</sup> One cable option supplied as standard to customer requirement.

**About Amino** - Amino specialises in digital entertainment solutions for IPTV, Internet TV and in-home multimedia distribution.

Amino's range of software and set-top box systems can be tailored for telecom, broadcast and hospitality firms to offer highly scalable and targeted services. The award-winning AmiNET™ and Mood range is used by leading service operators in over 80 countries.

Amino's 'AssetHouse' technology opens the door for content producers, telecoms companies, broadcasters and web TV firms to maximise opportunities through better services, targeted content and greater choice. It takes IPTV to the next level by allowing clients such as BT Vision to think like retailers and package, personalise and refresh extra revenue-generating services to viewers.

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Amino Communications Ltd:  
Buckingham Business Park, Anderson  
Road, Swavesey, Cambridge, CB24 4UQ  
Tel: +44 (0)1954 234 100  
Fax: +44 (0)1954 234 101  
Email: info@aminocom.com  
Website: www.aminocom.com

Amino Communications US:  
3625 Brookside Parkway, Suite 150  
Alpharetta, GA 30022  
Tel: +1 678 636 6000  
Fax: +1 678 636 6001