



AmiNET110

MPEG-2 IP Set-Top Box

The AmiNET110 is a compact and elegant MPEG-2 set-top box (STB) for IPTV and Video-on-Demand (VoD) applications. With an Ethernet input and flexible audio/video output, together with S/P-DIF and an RF Modulator output, the STB provides an elegant and powerful means of delivering sophisticated interactive digital television including multicast and on-demand video along with Internet access.

Surround sound audio

The AmiNET110 comes complete with digital audio outputs for an exciting home theatre experience.

Compact and elegant

Supplied in a compact, elegant enclosure, based on the award-winning AmiNET100 design.

Home networking

The AmiNET110 works with a wide range of home networking options. An end user can view a movie in the living room while another watches a different channel in their bedroom, all via existing home cabling.

Games support

Games provide an excellent opportunity for service providers to introduce a new revenue generating service. The G-Cluster games client is ported to the AmiNET110 and provides the user with state of the art, centrally served PC games. A USB interface is provided which can support games controllers and peripheral expansion.

Supported middlewares

Amino STB products are supported by leading IPTV middleware providers for integration as part of a broadband TV solution. The AmiNET110 also supports development of applications in HTML and Javascript.

Content security

The AmiNET110 is compatible with a wide range of leading smartcard-based and smartcard-less content protection and rights management solutions, allowing customers to choose the appropriate security to meet their needs.

Main features

- Silent operation - no forced air cooling
- Supported by leading middleware and Conditional Access (CA) vendors
- Flexible audio and video output via cable options
 - Composite, RGB, S-Video, stereo audio
 - PAL and NTSC
 - 4:3 and 16:9 formats
 - Digital audio via S/P-DIF
 - RF modulator output with loop-through
- Teletext / closed caption decoding and subtitling
- USB 1.1
- IR remote control
 - Combines STB and TV command functions
- Interface to 10/100BaseT Ethernet
- MPEG1 & 2 MP@ML at up to 10 Mbps
- 24-bit colour graphics with Alpha-Blending and picture in graphics
- Video protocols
 - Multicast IPTV (IGMP control)
 - VoD (RTSP control)
- Key-protected, scalable multicast software booting option
- Remote management and software upgrade via network
- Macrovision copy protection

Optional features

- IR Keyboard
- Networked gaming via G-Cluster
- Smartcard based or smartcard-less CA
- Input Method Engines (IME)



Supported browsers

The AmiNET110 supports a selection of HTML browsers including ANT Fresco (provided as standard) and Opera.

Application development

Amino software technology is based on open standards such as Linux and HTML. Application developers for the AmiNET110 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 AmiNET110 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 RF Modulator with loop-through stereo & digital audio S/P-DIF electrical SD PAL or NTSC USB 1.1 Master
Graphics Resolution	640x438 (525-line) or 640x512 (625-line), 16 bit RGB colour, 8-bit alpha blending
Codecs	MPEG1 & MPEG2 MP@ML, up to 10Mbps
Smart Card Interface	ISO-7816
Size	114 x 100 x 35 mm
Construction	One-piece aluminium extrusion
Power	5V, 700mA
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
Plug-top power supply*	Standard
SCART cable*	Optional
S-Video + composite cable* (CVBS)	Optional
RGB Cable*	Optional
Component video cable* (YpbPr)	Optional
Anti-slip Base-plate	Standard
User guide	Standard

* Regional options: USA, Europe, UK, Japan



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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