amino

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H140

THE H140 IS A POWERFUL HIGH DEFINITION (HD) SET TOP BOX (STB) FOR GUEST ROOM APPLICATIONS

The H140 HD IPTV/OTT set-top box combines high performance, advanced HLS capability, new OTT trickplay and USB functionality in a rugged compact case

Over-the-top (OTT) capability

OTT allows operators to combine traditional pay-TV programming with popular user-generated content websites via the open Internet – adding a compelling new layer of content to service offerings. Amino now offers enhanced OTT capability across its IPTV range using the adaptive bitrate protocol HLS – http live streaming – to deliver reliable video service delivery even where high contention rates create service delivery challenges. Plus HLS offers new opportunities for "off-net" service delivery across the open Internet, extending both your service offering and reach. The H140 supports HTML5 audio and video tags enabling multiscreen compatible user interfaces. The H140 also offers OTT "trickplay" functionality – offering customers the same smooth fast forward, rewind and accurate skips that they have come to expect from the traditional IPTV experience. HLS recording is also available along with PVR-like pause live TV - dependent on your chosen middleware. The H140 also offers and HLS streamer - providing APIs to allow middleware to stream recorded content to other home devices.

Advantages

Fully digital systems provide numerous benefits for the operator, including:

- 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
- Ability to integrate with other guest services - telephony, Internet, billing, information.

CEC Control

The H140 provides CEC control over HDMI. This feature allows system integrators to provide an integrated solution with TVs that also support CEC. This allows IR pass-through, power on and off of the TV and STB, plus sending and receiving other CEC supported commands.

Serial interface

Hospitality system integrators require access to the STB to integrate bespoke applications for many installations. The H140 is equipped with a RS-232 serial interface that can be used as a connection interface to hospitality televisions for single remote control use.

USB stick playback

Now your customers can see their own content on their TVs via the H140. Simply plug in any USB storage device and the API within the H140 discovers and then presents it on the screen using HTML5 playback. All common video and picture formats are handled quickly and easily – further enhancing your customers' entertainment experience.

Extensive ecosystem support

The H140 is supported by an extensive ecosystem of middleware, browser, conditional access and DRM options required for the widely varying configurations of the IPTV market.

Comprehensive design tools and support

Amino software technology is based on open standards such as Linux and HTML. Application developers for the H140 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.

To find out more please contact an Amino representative by emailing info@aminocom.com

SPECIFICATION

SIZE AND WEIGHT	140mm x 114mm x 40mm. 320g (excluding accessories and packaging)
INPUTS	1 x Ethernet 10/100 BaseT via RJ-45 shielded connector
OUTPUTS	HDMI 1.3a. with HDCP and CEC 10-way Mini-DIN for Composite video, Component (YPrPb), RGB, S-Video and analogue audio. S/PDIF (optical). 2x USB2.0. RS232 serial connector
POWER	5V DC at 1.5A via external power supply Less than 8W typical usage (external supply input voltage 100-240V AC 50-60Hz 3A max)
CODECS	MPEG-2 MP@HL. MPEG-4 pt10 AVC/H.264 HP@L4
VIDEO RESOLUTIONS	up to 720p and 1080i. Displays up to 1080p
GRAPHICS RESOLUTIONS	HD graphics up to 1280x720
AUDIO	Analogue stereo audio out. Stereo and Dolby 5.1 surround via S-PDIF and HDMI. Dolby Digital+ pass through to external decoder
SECURITY	Wide selection of DRM and Conditional Access support. HDCP on HDMI. Macrovison on SD outputs (optional), CGMS-A
MEMORY	128MB Flash, 256MB RAM
FRONT PANEL LEDS	Power on /IR command received (Red)
OPERATING ENVIRONMENT	ETS 300-019-1-3 Class 3.1
EMC CONFORMANCE	FCC Part 15 class B. 2004/108/EC EN55022
SAFETY APPROVALS	CAN/ CSA-C22.2 No. 60950-1-03. EN60950
ROHS	2002-95-EC
WEEE	2002-96-EC
OPERATING TEMPERATURE	0˚C (32˚F) to 40˚C (104˚F)
STORAGE HUMIDITY	5% to 95% RH (non-condensing)

ACCESSORIES

Remote Control	Standard
Power supply & regional power cord	Standard
IR keyboard	Optional
HDMI cable	Optional
SCART cable	Optional
Component (YPrPb orRGB) cable	Optional
S-VHS & Composite (CVBS) cable	Optional

For any more information on available accessories, please see the Amino accessories brochure

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INDUSTRY LEADING SOFTWARE

About Amino Communications

Amino Communications is a leading global IPTV and OTT digital TV innovator, enabling major network operators and service providers to connect their customers to the entertainment experiences they love. Amino combines iconic products, industry-leading software, deep specialist IP technology expertise and partnerships with the foremost ecosystem partners to deliver award-winning solutions to over 850 customers in 85 countries. Founded in 1997 and headquartered in Cambridge, Amino has offices in the US and China, and is listed on the London Stock Exchange Alternative Investment Market (AIM symbol: AMO).

About Aminet

Aminet is Amino's core software solution and is at the heart of every product we make – from the award-winning A110 to the latest next generation IPTV devices. Trusted by network operators to enable leading edge entertainment experiences, the Aminet solution has built a reputation for ultra-reliability, robustness and flexibility delivering thousands of deployments across a wide range of network conditions and ecosystems worldwide. With over five million Aminet-driven set-top boxes deployed, Amino continues to innovate – adding exciting new OTT features to provide an even richer and more compelling entertainment experience.