amino

aminet
A140

IPTV/OTT STB

THE A140 DELIVERS HIGH DEFINITION IN AN EXTREMELY COMPACT CASE

The A140 allows service providers to deliver a high performing High Definition (HD) Set Top Box (STB), based on the latest generation system-on-chip (SoC).

The A140 offers a range of compelling benefits:

Over-the-top (OTT) content

OTT allows viewers to combine traditional programming with popular user generated content websites via the open Internet and gives operators greater value to their deployments. Amino are able to offer OTT features to their range of STBs which includes HTML5 audio and video tags that bring support of the H.264 codec in .flv and .mp4 file formats. Adaptive streaming technology is also available with HTTP live streaming support. As the requirements for OTT continue to develop please contact Amino for details of future additions to the OTT capability.

High definition

The A140 can decode resolutions up to 1080i 60Hz but is also able to de-interlace content and display it progressively - such as de-interlacing 1080i to 1080p - to deliver the picture quality your customers expect on their high-end LCD and Plasma TVs.

Advanced Codec Support

This provides operators with the opportunity to grow revenue generating services, while maximising the efficient use of network bandwidth, creating the ability to:

- Reach a greater number of subscribers
- Increase the number of interactive and multicast channels
- Enhance viewing experience with HD channels.

Unique

The A140 is a very compact STB, but is able to deliver high performance, along with the required connectivity including; analogue AV, HDMI, USB & S/PDIF. The unique Amino styling sits elegantly with any latest top-specification AV equipment in the living room.

Extensive ecosystem support

The A140 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 A140 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.

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SPECIFICATION

SIZE AND WEIGHT	114mm x 100mm x 35mm. 280g (excluding accessories and packaging)
INPUTS	Ethernet 10/100 BaseT via RJ-45 shielded connector
OUTPUTS	HDMI 1.3a. (excl. Deep colour and DTS audio) with HDCP. S/PDIF (optical). USB2.0. 10-way Mini-DIN for Composite video, Component (YPrPb),RGB, S-Video and analogue audio. RF Mod and loop through.
POWER	5V DC at 1.5A via external power supply Less than 8W typical usage (external supply input voltage 100-240V AC 50-60Hz, 0.8A max, output 5VDC 3A)
CODECS	MPEG-2 MP@HL. MPEG-4 pt10 AVC/H.264 HP@L4
VIDEO RESOLUTIONS	Decodes up to 720p and 1080i. Displays up to 1080p
GRAPHICS RESOLUTIONS	HD graphics up to 1280x720
AUDIO	Stereo audio 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. Macrovison (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 (510-710)	Standard
Power supply with regional power cord	Standard
Anti-slip base	Standard
IR keyboard (502-455)	Optional
HDMI cable (510-885)	Optional
SCART cable (502-418)	Optional
Component (YPrPb or RGB) cable (502-419)	Optional
S-VHS & Composite (CVBS) cable (502-594)	Optional

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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, China and Sweden, 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 set-top box 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 three and a half 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.

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