



VIEWCD
Client Devices

KAMAI 6

POWERFUL 4K UHD CLIENT TV DEVICE,
INCORPORATING ADVANCED WI-FI OR
MOCA OPTIONS, TO DELIVER THE NEXT
GENERATION OF IPTV/OTT SERVICES TO
MULTIPLE TV SCREENS AROUND THE HOME



Technology advancements continue to drive consumer demand for a more interactive TV viewing experience in stunning, ultra-HD resolution. To the service provider, this means constant updates and investments in the latest technologies that power these applications all while keeping cost, quality and performance in check. With the Kamai 6 series of receivers, operators are able to provide these next generation of services in the highest possible resolution while reaping the cost benefits of reduced bandwidth and installation times.

Key Features

- Optimised for digital video broadcast and streaming media services
- Reduce bandwidth by up to 50% with H.265/HEVC support
- Superior 4K Ultra-HD resolution, 4x greater than 1080p for best viewing experience
- Dual 720p30 transcoding for multi-screen support
- Whole-home HD video distribution with flexible networking options: MoCA, Wi-Fi and BLE
- Support PLTV on Flash
- Energy efficient with DeepSleep™ technology for reducing power consumption up to 99% in standby mode

AMT
advanced media technologies®



Reduce Bandwidth, Reduce Costs

Studies have shown that H.265/HEVC provides up to 50% better compression than H.264 and 35% bandwidth reduction during live encoding. HEVC compression provides significant benefits to your network by:

- Providing an opportunity to distribute 4K Ultra-HD content without sacrificing bandwidth
- Reaching subscribers in the “last mile” that were previously difficult to reach.

This results in your ability to reduce bandwidth, increase higher quality content and reduce costs by cutting transport costs over Content Delivery Networks (CDN) and streaming content to lower bitrate connections.

Bring Your Own Device

Kamai 6 series introduces dual 720p30 transcoding to seamlessly access content to play on other video devices. This reduces costs by allowing subscribers to interact with their TV service on their personally owned devices, such as tablets or smartphones.

No New Wires

By using existing in-home wiring or wireless, Kamai 6 series provides flexible distribution technologies to meet user needs without increasing deployment costs.

Kamai 6 series supports Quantenna’s 802.11ac (5GHz) 4x4 WiFi solution for wireless HD video distribution throughout the home. Reduce installation time, cost and complexity of wiring a home with Wi-Fi. 4x4ac WiFi provides better coverage, superior performance and a high quality of service (QoS) for distributing video within the home. When matched with an accompanying access point, Kamai 6 enables whole-home Wi-Fi transmission speeds over 1.7Gbps for hassle-free installation and easy distribution of HD video throughout the home without wires. Kamai 6 series provides a true video-grade Wi-Fi client solution and cost-effective architecture to accelerate the adoption of IP-based video services.

Kamai 6 also supports MoCA 2.0 to enable multi-room video distribution without new wiring at double the throughput rate of previous generations. MoCA utilizes existing in-home coax to provide IP connections throughout the home. Eliminating new wiring reduces the time, complexity and cost of new subscriber installation.

Technicians are more efficient as they spend less time at each home and you increase the number of new installations per day. Additionally, when subscribers move or churn, your investment remains intact in the equipment rather than in the home wiring.

The addition of Bluetooth technology improves wireless connectivity by using lowpower BLE technology to connect a variety of devices such as smartphones and tablets.

Kamai 6 series offers flexible networking technologies to ensure you have the best options to meet your customer’s distribution requirements.

Cloud-based Applications for a Connected Home Experience

Meet subscriber’s demand by offering the most advanced online services and applications. Based on Broadcom’s latest chipset, Kamai 6 series supports streaming video services like Netflix, VUDU, and YouTube.*

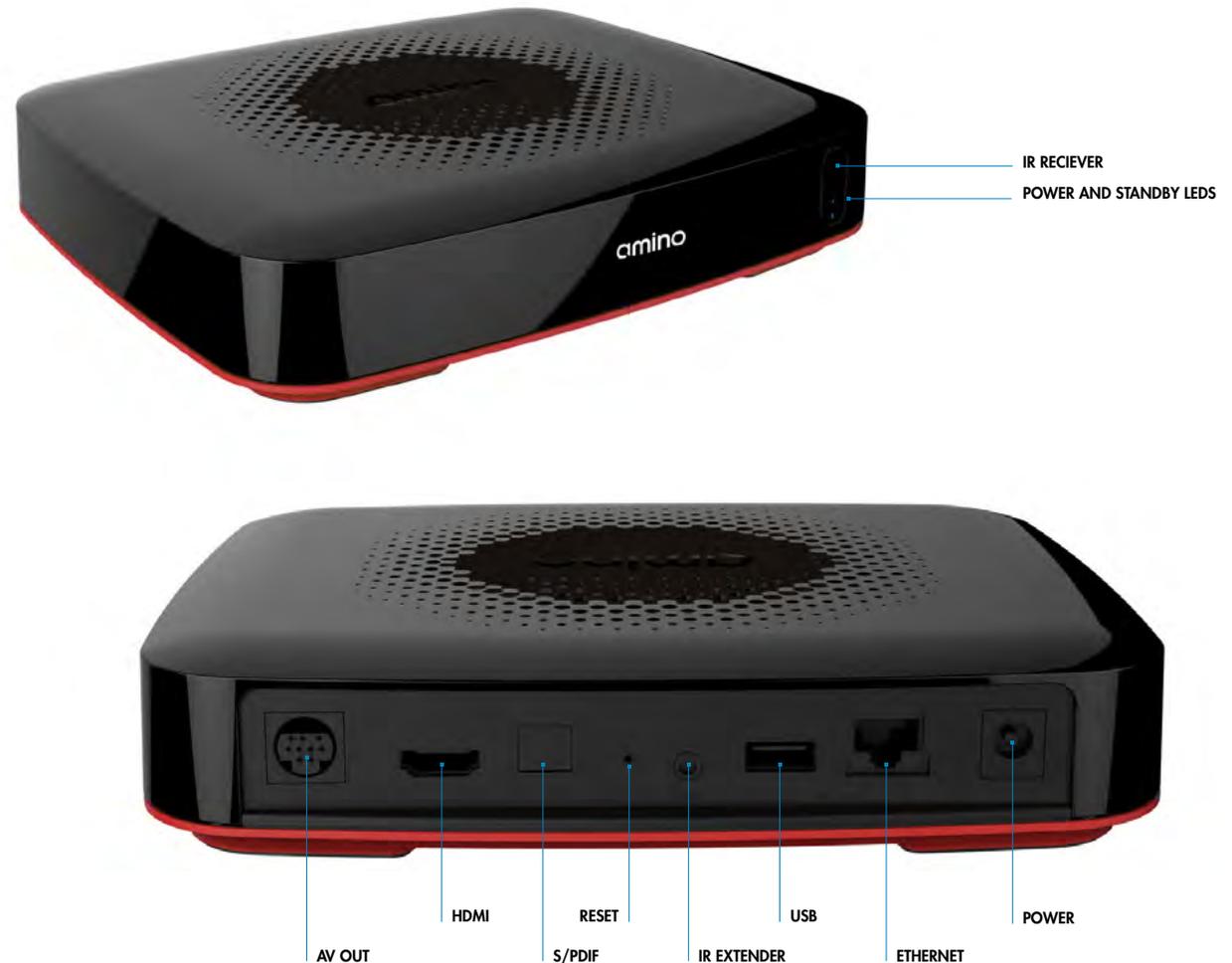
*Online services and applications may vary and are subject to middleware and third-party support

Ready-to-Deploy IPTV Solution

By supporting all of Amino’s ecosystem partners, including the latest digital rights management developments and conditional access solutions, Kamai 6 enables you to quickly deploy a video service that also provides advanced cloud-based features for IPTV and over-the-top (OTT) streaming applications.

Supports Legacy Televisions

Broaden your addressable homes by supporting the millions of televisions in subscriber homes that do not support HDMI. Kamai 6 supports composite video, as well as analog stereo audio and digital multichannel audio outputs.



SPECIFICATIONS

VIDEO FORMATS

VC-1 Advanced Profile @ Level 3
 AVC/H.264 High Profile @ Level 4.2
 H.265 High Efficiency Video Coding (HEVC)
 Main Profile and Main 10 Profile
 MPEG-2 Main Profile @ High Level
 MPEG-4 Part 2 Advanced Simple Profile
 DivX versions 3.11, 4.1, 5.X, and 6.X
 XVID
 MPEG-1/H.261/H.263
 AVS decode
 with support for AVS1-P2 Jizhun Profile @ Level 6.0
 MPEG still picture decode
 MVC
 VP9 (for YouTube)

AUDIO FORMATS

AAC LC, AAC LC+SBR Level 2, AAC HE Level 2,
 AAC HE Level 4
 AC4
 Dolby Digital, Dolby Digital Plus
 MPEG I Layer 1, 2
 MPEG I Layer 3 (MP3) encode/decode
 Windows® Media Audio (WMA)
 WMA pro
 AAC HE 5.1 decode plus DTS 5.1 encode SPDIF
 output
 AAC HE 5.1 decode plus AC3 5.1 encode SPDIF
 output

VIDEO OUTPUTS

NTSC-M, NTSC-J, PAL-BDGHIN, PAL-M, PAL-Nc,
 SECAM analog outputs
 480i/480p/576i/576p/720p/1080i/1080p/4K-
 2KP60 output formats
 Component RGB or YPrPb output
 DCS support
 Rovi 7.1 support
 HDMI 2.0 with 3D format support

SECURITY

AES, 1DES, 3DES, CPRM, CPPM, CSS, and DTCP
 copy protection algorithms and standards
 VB, ARIB, and DC2-compliant transport demux with
 1DES, 3DES, DVB, Multi2, and AES descramblers

NETWORKING OPTIONS

Quantenna Wireless 802.11ac (5.4 GHz) 4x4 Wi-Fi
 Real-time Digital Transmit Beam Forming (MIMO)
 Baseband 4T4R, up to 4 spatial streams
 Client-to-client direct connection (TDLS)
 Digital beam forming for up to 4.5db gain
 Standards: 802.11ac, 802.11a, 802.11h,
 802.11n, 802.11e, 802.11i
 Wi-Fi Compliant: WMM, WMM-PS, WPA, WPA2,
 WPS
 Encryption: AES, TKIP, WEP64/128
 RF: 4.9GHz – 5.85GHz
 Modulations: BPSK, QPSK, 16-QAM, 64-QAM,
 256-QAM
 FEC: 1/2, 2/3, 3/4, 5/6
 Max PHY Rate: 1.7Gbps
 MoCA 2.0
 Bluetooth/BLE 4.0

ENERGY MANAGEMENT

Power 7W maximum at 90-264VAC, 48-63Hz
 Compliant with European Union's Energy using
 products directive for standby regulation

TYPE APPROVALS

FCC Part 15, CEA-60065

FRONT & SIDE PANELS

Illuminated standby indicator (on/standby)
 IR receiver
 Reset to factory

BACK PANEL

Connectors

Optical digital audio
 Mini DIN connector for composite video & stereo
 audio fan-out cable (included)
 HDMI 2.0
 USB 3.0 Host Type A
 IR Extender Port
 RJ-45 10/100 Base-T Ethernet with integrated status
 LEDs
 DC power

CPU & MEMORY

Broadcom BCM7251S
 12K DMIPS, dual-core ARM-v7 CPU
 1GB DDR3-1866
 8GB eMMC Flash

MECHANICAL

220w x 170d x 36h mm
 5-35°C (40-95°F) operating temperature
 30-95% relative humidity

This document contains information on a product under development. Amino Communications Ltd reserves the right to change or modify this specification or discontinue this product without notice.