

AMINO KAMAI 7B

4K UHD CLIENT TV DEVICE

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
- Whole-home HD video distribution through integrated Broadcom 4x4ac Wi-Fi
- Optional support for PLTV on flash
- Energy efficient with DeepSleep™ technology for reducing power consumption up to 99% in standby mode
- Cloud-based applications for a connected home experience
- Ready-to-Deploy IPTV solution
- Supports legacy televisions

TECHNICAL SPECIFICATIONS

VIDEO FORMATS

Standard Supported Formats

- VC/H.264 High Profile @ Level 4.2
- HEVC/H.265
- MPEG-1/H.261/H.263
- VP9 (for YouTube)

Optional Supported Formats

- MPEG-4 Part 2 Advanced Simple Profile
- VC-1 Advanced Profile @ Level 3
- MPEG still picture decode

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



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 YPbPr output
- DCS support
- Rovi 7.1 support
- HDMI 2.0 with 3D format support

MECHANICAL

- 40-95°F (5-35°C) operating temperature
- 30-95% relative humidity



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AUDIO FORMATS

Standard Supported Formats

- Dolby Digital Consumer Audio (Dolby Digital), output is 2 channel decode and digital pass-through
- Dolby Digital Consumer Plus Audio (Dolby Digital Plus), output is 2 channel decode and digital pass-through
- MPEG I Layer 1, 2
- LC-ACC & HE-AAC

Optional Supported Formats

- Windows® Media Audio (WMA)
- MPEG I Layer 3 (MP3)

ENERGY MANAGEMENT

- Power 7W maximum of 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
- Standby Button
- Wi-Fi Strength Indicator

CPU MEMORY

- 14K DMIPS, quad-core ARM-v7 CPU
- 1GB or 2GB RAM options
- 256MB, 8GB EMMC or 16GB Flash Option

NETWORKING OPTIONS

- Integrated Broadcom Wireless 802.11ac (5.4GHz) 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
- Bluetooth/BLE 4.0
- RF4CE

BACK PANEL

- Optical digital audio
- 3.5mm jack for CVBS +L/R Audio
- USB 3.0 Host Type A
- HDMI 2.0
- Reset to factory
- RJ-45 10/100/1000 Base-T Ethernet with integrated status LEDs
- WPS Button
- DC power