



VIEWCD
Client Devices

AMIGO 7X

ANDROID TV OPERATOR TIER CERTIFIED
ULTRA-HD CLIENT TV DEVICE DELIVERING
EXCITING OTT CONTENT WITH AN
EXCEPTIONAL USER EXPERIENCE



Android TV Operator Tier Certified Ultra-HD Client TV Device Delivering Exciting OTT Content with an Exceptional User Experience

TV remains the predominant viewing position in a household, but what consumers are watching is evolving. Linear content is being supplemented, and in many cases replaced, by OTT content as cord-cutters look to reduce costs and are finding great content in many formats. Operators need to not only embrace content due to competitive pressures of skinny bundle offerings and strong OTT content providers but look to enhance their offerings by creating a portal of extraordinary user experiences.

In addition to OTT support, Amigo 7X also offers full support for legacy infrastructure such as multicast IPTV and legacy DRM solutions offering the ability to provide an updated user experience while preserving existing capital investments.

Features

- Android TV Operator Tier certified opening the window to the Google Play Store's boundless applications, services and games
- Superior 4K Ultra-HD resolution, 4x greater than 1080p for best viewing experience
- Enhanced user applications including federated search and voice control
- Whole-home Ultra-HD video distribution with flexible networking options: Wi-Fi and Ethernet



Modern TV User Experience

Today's consumer is experiencing a renaissance in the way they consume content. Whether it is the TV or another device, the ability to find and watch any content, anytime is appealing. The Amigo 7X introduces this capability to both the operator and the consumer in an effective and appealing format including:

- Rich, visual UI providing an eye-catching interface
- Federated search of live/recorded TV and OTT content unifying the search across all content sources
- Voice control enabling quick response to finding your favorite program, actress or genre

Consumers want convenience rather searching multiple applications to find content. The Amigo 7X provides convenience by allowing the consumer to stay on input 1 for all their viewing habits. No more changing inputs to get to another device needed to watch content from Netflix or other services.

No more having to login each time as well with user names and passwords. The Amigo 7X user experience simplifies the experience providing stickiness for the operator and ease of use for the consumer.

Cloud-based Applications for a Connected Home Experience

As an Android TV product, the Amigo 7X meets consumer demand by opening the door to accessing the Google Play Store meeting subscriber's demand by offering the most advanced online services and applications including services like Netflix, VUDU, and YouTube.

Wireless Distribution

The Amigo 7X series supports 802.11ac dual band 2x2 Wi-Fi solution for wireless Ultra-HD video distribution throughout the home. Reduce installation time, cost and complexity of wiring a home with Wi-Fi. 2x2 Wi-Fi provides excellent coverage, superior performance and a high quality of service (QoS) for distributing video within the home.

The Amigo 7X series provides a true video-grade Wi-Fi client solution and cost-effective architecture to accelerate the adoption of IP-based video services.



SPECIFICATIONS

CPU AND GRAPHICS

Quad core ARM Cortex-A53 CPU up to 1.6GHz
Integrated high-performance multi-core GPU Mali 450 supporting OpenGL ES 2.0/1.1 and OpenVG 1.1
2GB SDRAM (Other memory options available)
8GB eMMC (Options for 16GB)

VIDEO FORMATS*

Supports multiple “secured” video decoding sessions and simultaneous decoding and encoding

Video/Picture Decoding

H.265/HEVC Main/Main 10 profile@level 5.1 high-tier, maximum 4K x 2K@60 fps 10-bit decoding
H.264/AVC BP/MP/HP@level 5.1, H.264/AVCMVC, maximum 4K x 2K@30 fps decoding
Maximum 4K x 2K@60 fps 10-bit VP9 decoding
Maximum 1080p@60 fps VP6/8 decoding
Maximum 1080p@60 fps Real 8/9/10 decoding
Maximum 1080p@60 fps MPEG-1 decoding
Maximum 1080p@60 fps MPEG-2 SP@ML, MP@HL decoding
MPEG-4 SP@levels 0–3, ASP@levels 0–5, GMC, short header format, maximum 1080p@60 fps decoding
AVS baseline profile@level 6.0, AVS-P16 (AVS+), maximum 1080p@60 fps decoding
VC-1 SP@ML, MP@HL, AP@levels 0–3, maximum 1080p@60 fps decoding

Image Decoding

JPEG decoding, maximum 64 megapixels
PNG decoding, maximum 64 megapixels

Video/Picture Encoding

H.265 MP@level 5 main tier and H.264 BP/MP/HP@level 4.2 video encoding, maximum 1x1080p@30 fps or 2x720p@30 fps encoding
VBR or CBR mode
Low-delay encoding
Encoding of multiple ROIs

AUDIO FORMATS*

MPEG L1/L2
Dolby Digital/Dolby Digital Plus decoder-converter
Dolby True HD decoding
DTS HD/DTS M6 decoding
Dolby Digital/DTS transparent transmission
Dolby ATMOS
AAC-LC and HE AAC V1/V2 decoding
APE, FLAC, Ogg, AMR-NB, and AMR-WB decoding
G.711 (u/a) audio decoding
Dolby MS11 decoding and audio effect
G.711 (u/a), AMR-NB, AMR-WB, and AAC-LC audio encoding
HE-AAC transcoding DD (AC3)

VIDEO OUTPUTS

One HDMI 2.0a TX with HDCP 2.2 output, maximum 4K x 2K@60 fps
CVBS 480i/576i standard definition output

SECURITY

Trusted execution environment (TEE)
Secure video path (SVP)
Secure boot
Secure storage
Secure upgrade
Protection for Joint Test Action Group (JTAG) and other debugging ports
One-time programmable (OTP)
Digital rights management (DRM)
Downloadable conditional access (CA) (DCAS)
HDCP 2.2/1.4 protection for HDMI outputs

NETWORKING

Integrated 10/100 interface supports Energy Efficiency Ethernet (EEE) mode
802.11ac/n dual band (2.4/5GHz)
2x2 MIMO
Bluetooth Low Energy 4.1
IR remote input

PERIPHERALS

HDMI 2.0a
USB 2.0 Host Type A
RJ-45 10/100 Base-T Ethernet With Integrated Status LEDs
3.5mm jack with CVBS and L/R stereo audio
DC Power
Optical S/PDIF

POWER AND CERTIFICATIONS

5W Maximum, 90-264VAC, 48-63HZ
Compliant with European Union's Energy Using Products Directive for Standby Regulation
FCC PART 15, CEA-60065

*Additional licensing costs maybe required.



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