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AMIGO 7X

ANDROID TV OPERATOR TIER CERTIFIED ULTRA-HD
CLIENT TV DEVICE, WITH TUNER OPTIONS,
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 experince while preserving existing capital investments.

Deliver Hybrid TV Services Anywhere, Anytime

By providing an optional tuner that supports a wide range of broadcast standards, including DVB-C and DVB-T/T2, the Amigo 7X enables you to quickly deploy a Hybrid TV service within your market reach, while also allowing you to expand outside your service footprint.

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 rennasisance 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 have 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
Integrated high-performance multi-core GPU Mali G31 MP2 supporting OpenGL ES 3.2

2GB DRAM

8GB eMMC (Options for 16GB)

VIDEO FORMATS*

Supports multiple "secured" video decoding sessions and simultaneous decoding and encoding

Video Decoding

4Kp75 10bit H.265/VP9 P-2/AVS2
4Kp30: H.264

Video/Picture Encoding

1080p60 H.265/H.264

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

VIDEO OUTPUTS

4Kp60 HDMI 2.1

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

TUNER

Optional DVB-C/T/T2 software switchable

NETWORKING

Integrated 10/100 interface supports Energy Efficiency Ethernet (EEE) mode

802.11ac/n dual band (2.4/5GHz)
2x2 MIMO

Bluetooth Low Energy 4.2

IR remote input

PERIPHERALS

HDMI 2.1

1xUSB 3.0 Host Type A

1xUSB 2.0 Host Type A

RJ-45 10/100 Base-T Ethernet

3.5mm jack with CVBS and L/R stereo audio

DC Power

POWER AND CERTIFICATIONS

5W Maximum, 90-264VAC, 47-63HZ

Compliant with European Union's Energy Using Products Directive for Standby Regulation

FCC PART 15, CEA-60065

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INNOVATION • ACTION • ADVANTAGE

AminoVU Amigo 7X Datasheet

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