



R100

Compact environmentally sustainable 4K client device



Features

- Ultra fast Quad Core CPU with GPU supporting OpenGL ES 3.2 to offload 3D effects and allow the creation of a world class user experience
- Distribute 4K HDR content while achieving world class network efficiencies with support for the latest high efficiency video codecs including AV1 and HEVC
- High Dynamic Range (HDR) processing including HDR10, HDR10+ and HLG
- Energy efficient CPUs coupled with intelligent software design and ultra-low power standby to exceed regulatory environmental requirements
- Sustainable design using recycled plastics for the chassis with packaging manufactured from recycled and recyclable materials
- HDMI 2.1 and Composite video outputs

Overview

- Deliver the highest possible video quality while using the latest video codecs to reduce bandwidth and associated costs.
- Streamline device deployment with simple user guides, on-screen self-install wizard and Amino Engage management platform to reduce costs and improve customer satisfaction.
- Compatible with legacy software and devices to make deployment easy and efficient for existing customers upgrading their devices.
- Powered by AminoOS simplifying integration with existing middleware platform and delivery of 3rd party streaming services such as YouTube.

All Amino Devices are enhanced with Amino Engage, our SaaS platform streamlining device deployment and management, including app updates, while enhancing customer support.



Specifications

Processing		Other Interfaces	
CPU	16K DMIPs, quad core, ARM® Cortex™ A35 CPU	Ethernet	10/100 Base T Ethernet with Link/Speed status LEDs
GPU	3D OpenGL ESS.2, Vulkan 1.1 and OpenCL 2.0	USB	1 x USB 2.0
DRAM	1GB DDR4	Status LED	Standby button and status LED
Flash	4GB eMMC	Remote Control Support	IR 36KHz (standard)
Software		Regulatory Compliance	
Operating System	AminoOS (RDK)	Environment and Safety	FCC Certified, CB Certified, CE Certified, IC
Audio / Video Interfaces		Power	
Digital Video	HDMI 2.1 with CEC, HDCP 2.2	Power Supply	External, 12v/1A
Analog Video	CVBS + L/R Audio	Power Consumption	8W maximum, fully equipped
Video Formats		Operating Environment	
Video Resolutions	Supports all standard SD/HD/FHD video output formats: 480i/p, 576i/p, 720p, 1080i/p and 4Kx2K 60 fps	Temperature	5-40°C (40-104°F) operating temperature
Audio Codecs	Dolby MS12 with Dolby Digital Plus, AC4, HE-AAC & LC-AAC	Humidity	30-95% relative humidity
Video Codecs	AV1 Main Profile 10@L5.1, AVC/H.264 High Profile @L5.1, HEVC/H.265 MP-10 @L5.1, MPEG-1 MP/HL, MPEG-2 MP/HL, VP9 Profile 2	Physical Properties	
Other codecs available upon request		Size (L*W*H)	120 mm x 83.5 mm x 25 mm
		Weight	150g

Customer Support

To find out more please contact an Amino representative:

sales@amino.tv

amino.tv

