



# R180

4K Ultra HD client device  
pre-integrated with a wide range  
of premium streaming services



## Features

- Distribute 4K Ultra-HD content without sacrificing bandwidth
- High Dynamic Range (HDR) processing including HDR10, HDR10+ and HLG
- Reduce bandwidth usage by up to 50% with AV1 support
- Powered by Amino OS and pre-integrated with a wide range of premium streaming services
- Optional WiFi 6 support for the best wireless performance in challenging environments
- BLE for great remote control flexibility and voice control
- Energy efficient CPUs coupled with intelligent software design and ultra-low power standby to exceed regulatory environmental requirements
- Sustainable design using recycled materials where possible

## Overview

- Optimized to deliver digital video broadcast and streaming media services.
- 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.
- Powered by AminoOS simplifying integration with existing middleware platform and delivery of 3rd party streaming services available through RDK foundation.

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	
CPU	22K DMIPs, quad core, ARM® Cortex™ A55 CPU
DRAM	2GB
Flash	8GB eMMC
Software	
Operating System	AminoOS (RDK)
Audio / Video Interfaces	
Digital Video	HDMI 2.1 with CEC, HDCP 2.2
Analog Video	CVBS + L/R Audio
Digital Video	S/PDIF Toslink
Video Formats	
Video Resolutions	Supports all standard SD/HD/FHD video output formats: 480i/p, 576i/p, 720p, 1080i/p and 4Kx2K
Audio Codecs	Dolby Digital, Dolby Digital Plus, HE-AAC & LC-AAC
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, AV1 MP-10@L5.1
Other codecs available upon request	
Other Interfaces	
Ethernet	10/100 Base-T Ethernet
Wi-Fi	Optional WiFi6, 2x2 802.11ax dual-band concurrent
USB	2 x USB 2.0
Status LED	Standby button and status LED
Remote Control Support	IR 36KHz (standard) / BLE (Optional with WiFi model)
Regulatory Compliance	
Environment and Safety	FCC Certified, CB Certified, CE Certified, RoHS Compliant
Power	
Power Supply	External, 12v/1A
Power Consumption	11.5W maximum, fully equipped
Operating Environment	
Temperature	5-40°C (40-104°F) operating temperature
Humidity	30-95% relative humidity
Physical Properties	
Size (L*W*H)	170 mm x 117 mm x 36 mm
Weight	240g

## Customer Support

To find out more please contact an Amino representative:

[sales@amino.tv](mailto:sales@amino.tv)

[amino.tv](http://amino.tv)

