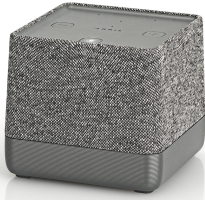# SMD7852 | SMD7852 UHD IP Smart Media Device

Base Product

IP, HEVC/AV1, Ultra-HD SMD with Wi-Fi 6

This Smart Media Device is a compact UHD IP client with far-field microphones, speakers and DSP (Digital Signal Processing) that enables the integration of voice assistants into the TV experience. The SMD7852 centralizes the voice-controlled services in the home by displaying visual feedback from the voice assistant on the TV and enabling voice control of video services.

The SMD7852 offers the processing power, Vulkan® graphics and video decoding to deliver stunning 4K UltraHD/High Dynamic Range content and OTT video services. Dual-band Wi-Fi 6 provides reliable video over wireless with flexibility in location.

The SMD7852 supports a choice of software platforms including Android TV™, RDK 4.0 and 3rd party software solutions to accelerate service innovation.

CommScope offers customised solutions based on the VIP7852 platform to meet specific customer requirements with a full range of professional services.

Video
- 4Kp60 10-bit UltraHD video decode and resolution
- HDR10, HDR10+ (option), HLG, and Dolby Vision (option) formats supported
- AV1, HEVC, MPEG-4 AVC, VP9, and VC-1 video codecs
- Wi-Fi 6, 802.11ax, 2x2, Dual Band Selectable
- Supports various Conditional Access Systems, including CommScope TITANIUM
- DRM pre-integration with Microsoft® PlayReady®, Widevine®, and CommScope SECUREMEDIA® DRM
- Compliant with OTT services: Netflix, YouTube, Disney+, Amazon Prime, and others

Smart Assistant support
- 2 microphones, 2 x 7W speakers, passive resonator, smart amplifier and DSP for voice-visual assistants.
- Compatible with Amazon Alexa, Google Assistant and other 3rd Party assistants.

Connectivity
- 2x2 dual-band Wi-Fi 6 and Ethernet 10/100 connectivity

Other
- Secure bootloader
- Compliant with EU power consumption regulations

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Product Type	Smart media device

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General Specifications

Graphics	3D OpenGL ES3.2 + Vulkan	Egypt 3D 8500
Memory	16 GB eMMC (32 GB eMMC option)	2 GB LP-DDR4 (4 GB option)
Microphones	2 low-power, omnidirectional digital microphones with low distortion and a high acoustic overload point
Network Interface	Ethernet	Wi-Fi
Processor	Quad-core, 24000 DMIPS
Rear Panel Interfaces	DC input	HDMI 2.1	Micro USB	RJ45
Software Compatibility	Android TV	RDK 4.0
Speakers	2 x 7 W full range drivers, passive resonator
Tuner	IP
Video Decode/Encode	AV1	HEVC	MPEG-4 VAC	VC-1	VP9
Video Resolution	1080i	1080p60	2160p60 10-bit	480i	480p	4Kp60	576i	576p	720p
Wi-Fi Interface Standard	2x2 IEEE 802.11ax, dual band selectable

Dimensions

Height	90.55 mm	3.565 in
Width	102 mm	4.016 in
Length	102 mm	4.016 in

Logo Image

Environmental Specifications

Standards Compliance	CE	FCC Certified	RoHS Compliant	UL Certified	VA/VIA June-2013 Agreement	WEEE

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