

# Amlogic T962E2 chip an excellent choice for developing high-performance multimedia devices

Specifications	
Model No.	Amlogic T962E2 4K UHD Multimedia
CPU	Amlogic T962E2 Quad-Core ARM Cortex-A55 up to 2.0GHz
GPU	ARM Mali-G31 MP2 GPU
RAM	DDR4: 2GB/4GB
Memory	16G/32GB eMMC Flash
OS	Android 8.1/9.0/ATV
WiFi	Built in WiFi Support IEEE 802.11ac/a/b/g/n(UWE5621DS) 2.4G/5G Support MIMO(2T2R)
Bluetooth	100M/1000M Ethernet support 5.0 blueooth
Video&Audio CODEC	
Video	AV1 up to 4Kx2K@75fps,VP9/H.265 up to 8Kx4K@24fps,VP9/H.265/AVS2 up to 4Kx2K@60fps,H.264 4Kx2K @30fps, AVS+/VC-1/MPEG-4 1080P @60fps H.264 1080P @30fps HD MPEG1/2/4,H.265/HEVC,AVS2, HD AVC/VC-1, RM/RMVB, Xvid/DivX3/4/5/6, RealVideo8/9/10 Avi/Rm/Rm vb/Ts/Vob/Mkv/Mov/ISO/wmv/asf/flv/dat/mpg/mpeg MP3/WMA/AAC/WAV/OGG/DDP/TrueHD/HD/FLAC/APE
HDR	HDR 10/10+, Dolby Vision
DRM	Widevine (Verimatrix/Playready optional)
I/O	
HDMI	1*HDMI IN 1*HDMI OUT (HDMI 2.1)
Optical Output	1* Optical Support Optical Output
USB	1*High speed USB 2.0, 1*USB3.0, Support USB Flash Drive and USB HDD
Internal Infrared Receiver	1*IR Port
RJ45	1 * RJ45 wire Ethernet connection
TF CARD	1 *TF card slot
Power	Output: DC 5V/2A Input: AC100-240V 50/60Hz Power on: Blue; Standby: Red Built in RTC, Built in USB device
Options	
Others	
Image	HD JPEG, BMP, GIF, PNG, TIF
Network Function	Miracast, DLNA, Skype, Netflix, Twitter, Picasa, Youtube, Flickr, Facebook, Online movies, Games, etc.
Language	English, German, Russian, French, Spanish, Italian, Arabic, Japanese, Korean, Hebrew, etc. multi languages
Option	Browse all video websites, support Netflix, Hulu, Flixster, Youtube, etc. Apps download freely form android market, amazon app store etc. Local Media playback, Support HDD, U Disk, TF Card. Support mouse and keyboard via USB or BT; Support 2.4GHz wireless mouse and keyboard via 2.4GHz USB dongle



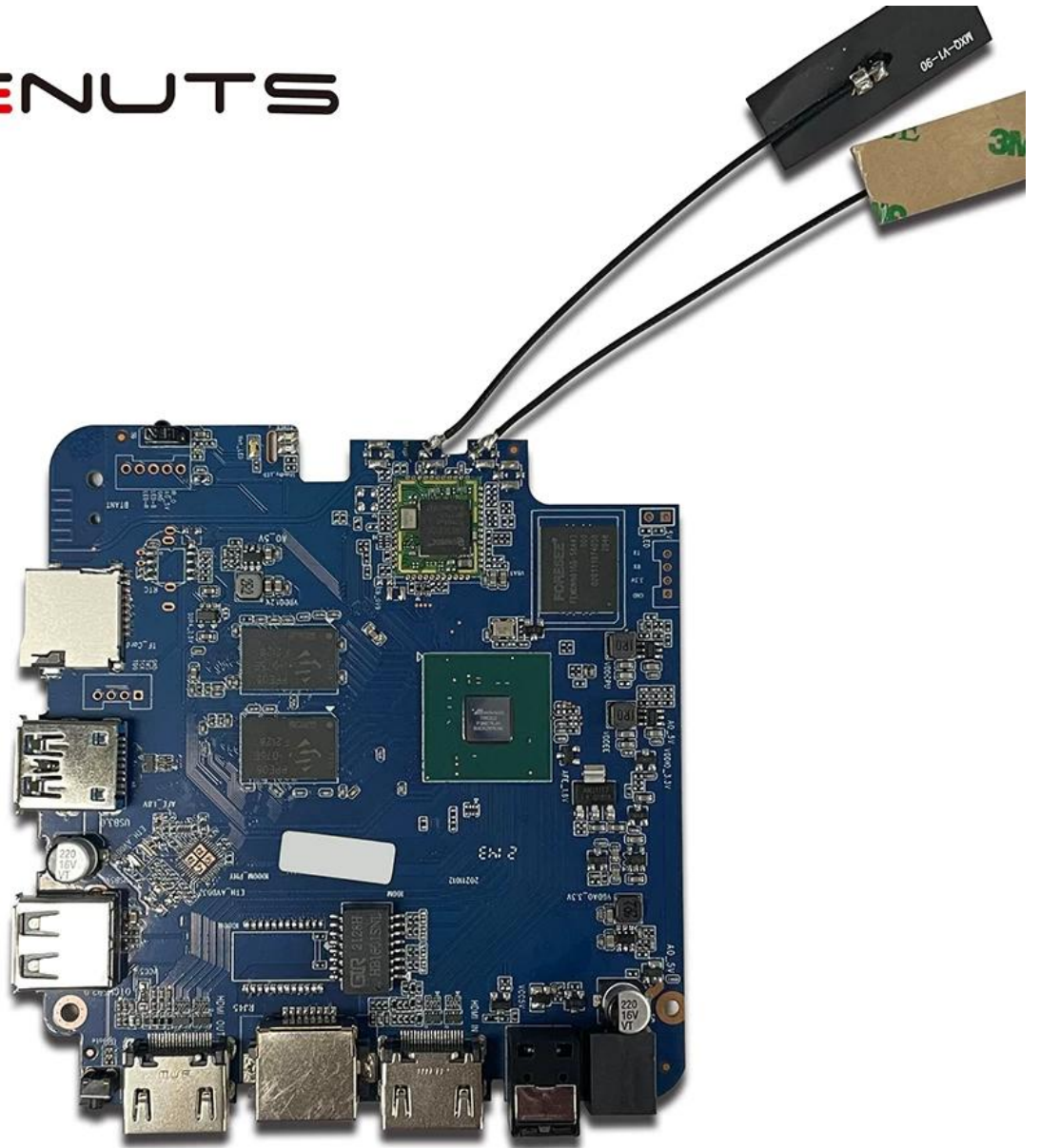
@mlogic











A-T8B043.07

T962E2

BONMON005

# ONENUTS



 <p>Multi-core 32/64-bit CPU and 3D GPU with high performance</p>	 <p>Powerful multimedia processing capability, supporting all mainstream video decoding including 8K/4K 10-bit AV1/H.265/VP9/AVS2</p>	 <p>Supports all mainstream HDR standard including Dolby Vision, HDR10 and HLG</p>	 <p>Unique Trulife picture quality enhancement engine, offering theater-like visual effect</p>	 <p>Complete production-ready security solution, supporting secure boot, secure OS and mainstream DRMs</p>
 <p>Ultra-high performance and ultra-low power consumption</p>	 <p>Ultra-high SoC integration and rich peripheral interfaces</p>	 <p>Complete IP license, including Dolby, DTS, etc.</p>	 <p>Supports screen projection technology like DLNA, Miracast etc.</p>	 <p>Provides mature turn-key solution for both split and AIO smart TV</p>

The Amlogic T962E2 Chip: Empowering High-Performance Multimedia Devices

The Amlogic T962E2 Chip is a game-changer in the realm of multimedia devices. Here's why it stands out as an excellent choice for developing innovative and high-performance products:

1. **Advanced Architecture:** The T962E2 Chip features an advanced architecture that enables seamless multimedia processing, including video decoding, encoding, and image processing.
2. **High Performance:** With its powerful CPU and GPU cores, the T962E2 Chip delivers exceptional performance for handling demanding multimedia tasks with ease. Whether it's streaming 4K video, playing immersive games, or running graphics-intensive applications, this chip excels in every aspect.
3. **Efficient Power Consumption:** Despite its impressive performance, the T962E2 Chip is designed to be energy-efficient, ensuring optimal power consumption for extended battery life and reduced heat generation in devices.
4. **Versatile Connectivity:** The chip supports a wide range of connectivity options, including HDMI, USB, Ethernet, Wi-Fi, and Bluetooth, enabling seamless integration with various multimedia devices and peripherals.
5. **Enhanced Multimedia Capabilities:** With support for the latest multimedia standards and codecs, including H.265, VP9, and HDR, the T962E2 Chip delivers stunning visual experiences and immersive audio quality for users.
6. **Flexible Development Platform:** Developers have access to comprehensive SDKs, tools, and documentation to streamline the development process and unleash the full potential of the T962E2 Chip in creating innovative multimedia devices.
7. **Reliable and Scalable:** The T962E2 Chip is built on a reliable and scalable platform, making it suitable for a wide range of multimedia applications, from smart TVs and set-top boxes to media players and gaming consoles.
8. **Future-Ready:** With its forward-looking design and support for emerging technologies, the T962E2 Chip ensures that multimedia devices built around it remain relevant and competitive in the rapidly evolving digital landscape.

In summary, the Amlogic T962E2 Chip offers unparalleled performance, efficiency, and versatility, making it the perfect choice for developing next-generation multimedia devices that redefine the entertainment experience.