

DN83-R3528A41E5G-GIA

Giada DN83 Rockchip RK3528A fanless Arm player, 2GB RAM, 32GB eMMC, Android OS

Product Overview

Giada DN83 Rockchip RK3528A fanless Arm player, 2GB OnBoard LPDDR4 Memory, 32GB OnBoard eMMC, 1x TF Card Reader, 1x Realtek RTL8211e PHY Network Controller, 1 x SIM slot, Mali-450MP2 GPU, 1x HDMI (3840x2160 @ 60Hz), 1x USB 3.2 Gen1, 1x USB 2.0 OTG, 2x USB 2.0, 1x RS232 Serial Port, 1 x Mic-In, 1 x Audio-Out, Android 13 / debian 11 Operating System



Specifications

Overview Summary:

The Giada DN83 fanless mini PC offers reliable, silent operation for digital signage and embedded applications. With a quad-core Rockchip RK3528A CPU, 2GB LPDDR4 memory, and 32GB eMMC storage, it delivers smooth performance for 4K content. Equipped with HDMI, Ethernet, and onboard Wi-Fi, this compact device is ideal for businesses looking to streamline content delivery. Shop now to enhance your display setups with a durable, efficient mini PC.

Its fanless design reduces noise and maintenance, while the support for Android 13 or Debian 11 ensures versatility. Whether for kiosks, signage, or media streaming, the DN83 integrates easily into any infrastructure. Buy now to experience stable, long-lasting performance in a space-saving package.

Performance tier:High-reliability industrial fanless PC

Uses:Digital signage, kiosks, media playback, embedded applications, 4K content display, industrial automation

Overview:

Giada DN83 Fanless ARM Media Player for Digital Signage and Embedded Systems

Experience consistent, low-noise performance designed for modern digital signage and embedded deployments. This compact fanless unit delivers smooth 4K output while maintaining silent operation, making it suitable for environments where reliability and minimal maintenance are critical. With integrated Wi-Fi and Ethernet, the system ensures stable connectivity for continuous content delivery. Its small footprint allows for flexible installation in kiosks, displays, or behind screens without compromising performance.

Description:

The Giada DN83 is a compact fanless ARM media player built for dependable, always-on operation. Powered by a quad-core Rockchip RK3528A processor and paired with onboard LPDDR4 memory and eMMC storage, it handles digital signage, kiosks, and embedded applications efficiently. Its silent design reduces dust intake and mechanical failure points, while 4K HDMI output ensures sharp and vibrant visuals. With flexible connectivity including Wi-Fi, Ethernet, USB, and serial ports, it integrates easily into existing systems. Support for Android 13 and Debian 11 provides versatility for a wide range of commercial and industrial use cases.

Features:

Engineered for Continuous Operation

Designed with durability in mind, this fanless mini PC eliminates moving parts that typically contribute to wear and failure. The passive cooling system ensures quiet, stable performance even in demanding environments such as retail displays, control systems, and public information terminals. Its architecture supports long operating cycles without interruption, making it suitable for business-critical deployments.

Flexible Connectivity and Integration

Integration into existing infrastructure is straightforward. The system includes both wired and wireless networking options, allowing seamless content updates and remote management. Storage is handled via onboard eMMC, with additional expansion through a TF card slot. Its compact chassis enables discreet placement while still delivering high-performance output.

Key connectivity highlights:

- Built-in Wi-Fi and Bluetooth module for wireless communication
- RJ45 Ethernet port for stable wired networking
- SIM slot and M.2 support for mobile network expansion
- Multiple USB ports for peripherals and external devices
- RS232 serial port for legacy and industrial equipment

4K Visual Output for Clear Messaging

The HDMI interface supports ultra-high-definition resolution up to 3840 x 2160 at 60Hz. This ensures smooth playback and sharp image quality, whether displaying advertisements, dashboards, or multimedia content. HDR support enhances color depth and contrast, improving visual engagement across use cases.

Operational Control and Reliability

This system includes practical control features to support uninterrupted workflows. Auto power-on functionality allows the device to restart automatically after power loss, reducing manual intervention. The integrated real-time clock enables scheduled operation, useful for timed displays or energy-saving routines.

Core Technical Details

- Processor: Rockchip RK3528A quad-core Cortex-A53
- Memory: 2GB onboard LPDDR4
- Storage: 32GB onboard eMMC with TF card expansion
- Graphics: Mali-450MP2 GPU with OpenGL ES support
- Video decoding: 4K VP9 and H.265, plus 1080p multi-format support
- Operating systems: Android 13 or Debian 11
- Power input: 12V DC

Ports and Interface Layout

- 1 x HDMI supporting 4K at 60Hz
- 1 x USB 3.2 Gen1
- 1 x USB 2.0 OTG and 2 x USB 2.0
- 1 x RS232 serial port
- 1 x MIC-IN and 1 x audio-out
- 1 x RJ45 Ethernet port

Physical and Environmental Design

- Compact dimensions: 11.6 x 10.6 x 3 cm
- Durable metal enclosure in black finish
- Operating temperature range from 0 to 45 degrees Celsius
- Designed for high humidity tolerance in controlled environments

Package Contents

- Giada DN83 fanless ARM media player
- Wi-Fi antenna
- Power adapter and AC cable

Product Identification

Part Number / SKU: DN83-R3528A41E5G-GIA

Why This Platform Stands Out

The Giada DN83 offers a balanced combination of compact design, silent operation, and reliable performance. It is well suited for businesses seeking a stable digital signage player or embedded computing solution that requires minimal maintenance while delivering consistent results. Its combination of connectivity, scheduling capability, and high-resolution output makes it a practical choice for scalable deployments.

Specifications:

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Specifications	
Product Code	DN83-R3528A41E5G-GIA
CPU	Rockchip RK3528A processor
Processing Units	4 Cores Cortex-A53
TDP	6 W

ComX Computers

Product Specification Sheet

System Memory	2 GB, Onboard LPDDR4/LPDDR4x, 2 Channels
Storage	32 GB, Onboard eMMC (Optional: 64 GB)
	1 x TF Card Reader
Watchdog Timer	NA
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Remo on	NA
Network Controller	1 x Realtek RTL8211E PHY
Ethernet Interface	1 x RJ45
Wi-Fi/BT	Onboard Wi-Fi/BT module
Mobile Network	1 x B-key M.2 (3042) for 3G/4G
	1 x SIM Slot
GPU	Mali-450MP2
Graphic Engine	OpenGL ES1.1/2.0
Multi-Media	4K VP9 decoders
	4K 10bits H.265 decoders
	1080P VC-1, MPEG-1/2/4, VP8 video decoders
	Support HDR10 ,HLG HDR
Display Interface	1 x HDMI (Max.3840 x 2160 @60 Hz)
USB	1 x USB3.2 Gen1
	1 x USB2.0 OTG, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT
	1 x Connector for 3G/4G (Reserved)
Power Requirement	DC-IN, 12 V/2.08 A
Operating System	Android 13/Debian 11
Product Dimensions	11.6 x 10.6 x 3 cm

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/DN83-R3528A41E5G-GIA-Giada-DN83-Rockchip-RK3528A-fanless-Buy-p-335993.php>

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