

Giada DN83 – Datasheet



CPU

CPU	Rockchip RK3528A processor
Processing Units	4 Cores Cortex-A53
TDP	6 W

System

System Memory	2 GB, Onboard LPDDR4/LPDDR4x, 2 Channels
Storage	32 GB, Onboard eMMC (Optional: 64 GB)
Watchdog Timer	NA
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions	116 mm x 106 mm x 30 mm (4.57" x 4.17" x 1.18")
Construction	Metal, Black
Operating System	Android 13/Debian 11
Operating Temperature	0°C ~45°C (32°F~114°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

Network

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

Display

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)

I/O interface

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)

Order information

DN83-N3-3528R41E5-GIA	CPU: Rockchip RK3528A RAM: 2GB, Onboard LPDDR4-2133 MHz Storage: 32 GB, Onboard eMMC Wi-Fi/BT: Onboard Wi-Fi/BT module (2.4 GHz/5 GHz) Operating System: Android 13
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Package	Carton, EPE

Optional items

VESA Mounting	VESA Mounting Kit (JC502)
Mobile Network Module	Quectel EC25 4G