

深圳金亚太科技有限公司
Shenzhen Geniatech Co.,Ltd.

SPECIFICATION

MODEL:DB3399Pro

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Revision History

VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
V1.0	2019/05/16				Rocky

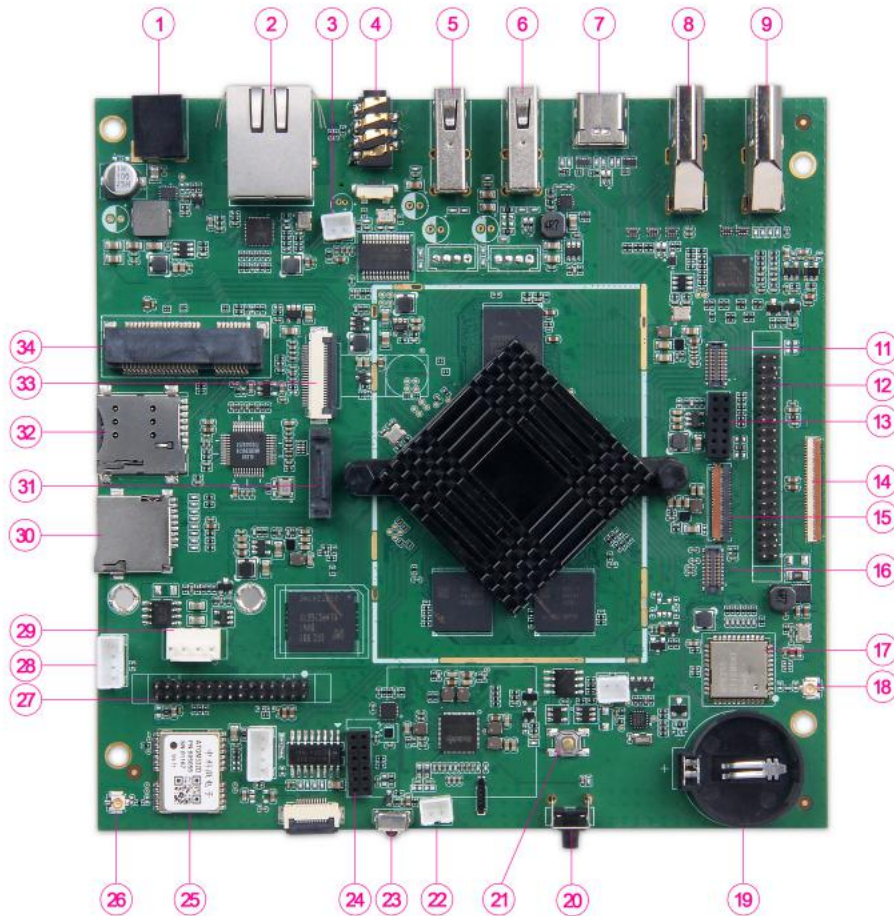
1. GENERAL DESCRIPTION

DB3399Pro is an AI Customized Board with below new features:

- (I) Support TensorFlow Lite and AndroidNN API, AI tool support Caffe/TensorFlow.
- (II) Dual-Core Cortex A72@1.8GHz+Quad-core A53 @1.4GHz,
support Android 8.1OS / Linux.
- (III) 3GB RAM, 8GB eMMC , external expansion storage SD card (max. 64GB)
- (V) USB, SD, TF external storage, support 4K VP9 play
- (VI) Built-in WiFi, 1000M LAN interface, support POE
- (VII) Designed for retail, interactive communication

2. PRODUCT PICTURE

Below pictures are for reference only, please prevail in kind.



No.	Name	Description
1	DC IN	12V
2	RJ45	Ethernet 100/1000M
3	Earphone	Earphone Jack*1
4	Mic	Mic*1
5	USB OTG	USB OTG2.0*1(support USB upgrade)
6	USB Host	USB Host 2.0*1
7	USB Type-C	USB Type-C*1
8	HDMI-out	One HDMI-out
9	HDMI-in	One HDMI-in
11	Mipi Interface	Support mipi camera
12	mipi Interface	Support mipi LCD Panel
13	I2S	I2S*1
14	D-MIPI_LCD	

15	MIPI_LCD	
16	MIPI_Camera	
17	WIFI Module	WIFI Module*1
18	WIFI ANT	WIFI ANT Jack*1
19	RTC Battery	Battery*1
20	Power Button	Power Button*1
21	Reset Button	Reset Button*1
22	Speaker	
23	IR-in	
24	GPIO	
25	GPS	GPS Module*1
26	GPS-ANT	
27	Edp interface	Support edp LCD
28	Debug port	
29	SATA Power	
30	TF card	
31	SATA Data	
32	Sim Card	
33	CIF Camera	
34	Mipi PCI-E Jack	

3.FEATURES

CHIPSET		Rockchip RK3399Pro	
MARKET AREA		Global	
OSD LANGUAGE		English/Chinese (multi language OSD)	
Processor	OS		Android 8.1
	CPU		Dual-CoreA72@1.8GHz+Quad-core A53 @1.4GHz
	GPU		Mali T860MP4
	DDR		3GB (6GB Option)
	EMMC FLASH		8GB (16G/32G Option)
Can support Panel	Panel type		TFT LCD
	LCD Interface		LVDS / EDP/Mipi
	Resolution(Max)		1920*1080
	Voltage		3.3 V/12V
NETWORK	Ethernet	RJ45, 100/1000M	
	WiFi	802.11.b/g/n	
	Bluetooth	BT4.2	
	3G/4G	Option	
Standby Power		<0.5W	
Interface	SD	SD card *1(max. 64GB)	
	HDMI	HDMI out*1, HDMI in*1	
	USB Host	USB Host 2.0*1	
	USB OTG	USB OTG 2.0*1	
	DC IN	DC IN*1	
Master Carton		140*140*15 mm , 1pcs/carton	
Adapter		DC12V / 3A	
Accessory		Adapter*1	
Customizable GUI		We provided GUI customization and we have a vast collection of Launcher created by our R&D team for you to choose from.	
Rich Applications		There are over 1 million applications in the market, and supports most famous applications like: Youtube, Facebook, and Twitter, etc..	

4.Support Formats

Media Remark	Codec	Remark
VIDEO	MPEG-1	up to MP:1080p@60fps (1920x1088)
	MPEG-2	up to MP : 1080p@60fps (1920x1088)
	MPEG-4	up to ASP level 5 : 1080p@60fps (1920x1088) GMC(global motion compensation)not supported
	H.263	576p@60fps(720x576)
	VP9/H.265/H.264	Support 4K VP9 and 4K 10bits H265/H264 , @60fps (4096x2304)
	VC-1	up to AP level 3 : 1080p@30fps (1920x1088)
	VP8	1080p@60fps (1920x1088)
	MVC	1080p@60fps (1920x1088)
AUDIO	MP3/WMA/AAC etc.	
PHOTO	Jpeg, jpg	

5.Precautions for use

- 1.Relative humidity: $\leq 80\%$.
- 2.Storage temperature: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- 3.Operation temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- 4.Do not squeeze ,distort or disassemble the PC.
- 5.Keep the Board away from static electricity .
- 6.Keep the Board away from water and other liquid.
- 8.Don't use long connect wires which may affect performance and image quality.