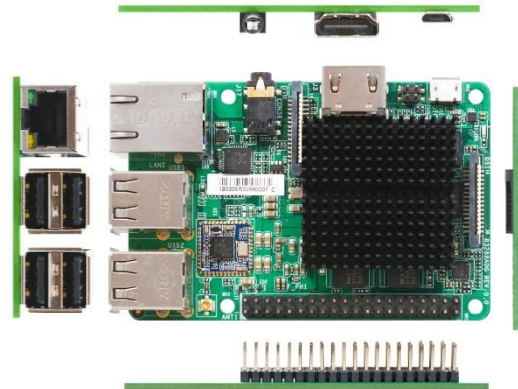




# JR3288A-DG2N

Rock Chip® ARM Cortex A17 RK3288, 5V DC-in

1. Rock Chip® ARM Cortex A17 RK3288 Quad-core 1.8GHz
2. On board 1333/2GB DDR3L DRAM
3. On board 8G Flash ROM up to 64GB
4. 1\* Realtek GbE, 1\* 26bit GPIO, 4\* USB2.0, 1\* OTG
5. 1\* HDMI, 1\* MIPI DSI, 1\* MIPI CSI
6. 1\* Micro SD up to 64GB
7. Support 802.11 b/g/n 2.4G, BT-V4.0
8. Support Android 5.1 and Debian9.0

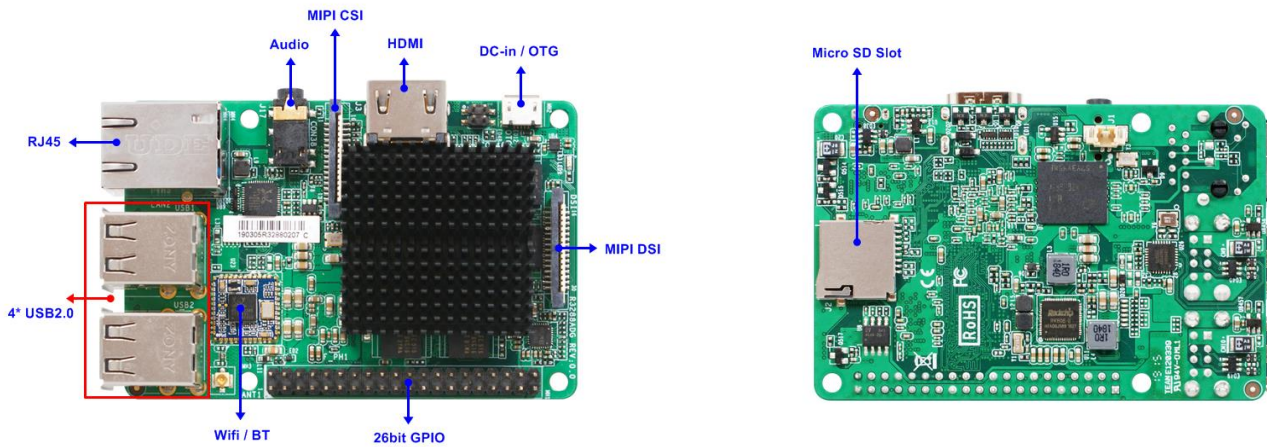


## Application

- Digital Signage
- KIOSK



## I/O Diagram



## GPIO Pin Define



GPIO6A6-I2S_SDO2	40	39	GND
GPIO6A5-I2S_SDO1	38	37	GPIO7B0-UART3TX
GPIO7A7-UART3RX	36	35	GPIO6B3
GND	34	33	GPIO7C6-UART2RX-PWM2
GPIO7C7-UART2TX-PWM3	32	31	GPIO5C0-SPI0_CS_N1
GND	30	29	GPIO5B5-SPI0_CS_N0-UART4_RTSN
GPIO7C2-I2C4_SCL	28	27	GPIO7C1-I2C4_SDA
GPIO8A3-SPI2_CS_N1	26	25	GND
GPIO8A7-SPI2_CS_N0	24	23	GPIO8A6-SPI2_CLK
GPIO5_C3	22	21	GPIO8B0-SPI2_RX
GND	20	19	GPIO8B1-SPI2_TX
GPIO5B3-UART1_RTSN	18	17	3V3
GPIO5B2-UART1_CTSN	16	15	GPIO5B7-SPI0_RX-UART4_RX
GND	14	13	GPIO5B6-SPI0_TX-UART4_TX
GPIO6A7-I2S_SDO3	12	11	GPIO5B4-SPI0CLK-UART4CTS_N
GPIO5B0-UART1RX	10	9	GND
GPIO5B1-UART1TX	8	7	GPIO0C1-CLKOUT
GND	6	5	I2C1_SCL
5V	4	3	I2C1_SDA
5V	2	1	3V3

## Specifications

<b>Model</b>	JR3288A-DG2N	<b>Form Factor</b>	85 * 56mm (1.8")
<b>Processor System</b>	<ul style="list-style-type: none"><li>Rock Chip® ARM Cortex A17 RK3288</li><li>Quad-core 1.8GHz</li><li>Rock Chip® RK808-B PMU</li></ul>	<b>Expansion Slot</b>	1* Micro SD
<b>Memory</b>	Onboard DDR3L 1333MHz 2GB	<b>Graphics</b>	<ul style="list-style-type: none"><li>Mali T764 GPU, shared memory</li><li>1* HDMI (Max Resolution: 1920x1080@60Hz)</li><li>1* MIPI DSI (Max Resolution: 1920x1080@60Hz)</li><li>Support Dual Displays</li></ul>
<b>Ethernet</b>	1* Realtek RTL8211E-VB GbE 1* Realtek RTL8723BS 802.11b/g/n 2.4G WIFI and BT-V4.0	<b>Audio</b>	2 channel HD audio: ES8316
<b>Storage</b>	8GB Flash ROM (Max 64GB)	<b>Rear I/O</b>	<ul style="list-style-type: none"><li>1* OTG (OTG Co-lay DC Jack 5V)</li><li>1* HDMI</li><li>1* AUDIO</li><li>2* USB2.0 (Left Side)</li><li>1* Ethernet (Left Side)</li><li>1* Micro SD (Right Side)</li></ul>
<b>Internal connector</b>	<ul style="list-style-type: none"><li>26bit GPIO</li><li>1* MIPI DSI</li><li>1* MIPI CSI</li><li>1* I2C</li></ul>	<b>Watchdog Timer</b>	<ul style="list-style-type: none"><li>From Super I/O to drag RESETCON#</li><li>256 segments (10 ~ 255 sec)</li></ul>
<b>Power</b>	5V DC-in ( PWR Con ) - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	<b>Compliance</b>	CE, FCC, LVD, RoHS, REACH
<b>Temperature</b>	<ul style="list-style-type: none"><li>Operating: -10°C ~ 60°C</li><li>Storage: -20°C ~ 70C</li></ul>	<b>Warranty</b>	2 Years Limited Warranty

\*Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Accessories

Parts Number	Description	Parts Number	Description
-----	JR3288A-DG2N M/B	G01-USBA-MI100-F	USB Cable