



DigiJupiter

Digital Signage Player
DJP-E20

C O T E N T S

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Revision history

Revision	Revision date	Principle changes
V1.0	Jan. 2022	Create based on E20 V1.0

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<https://digijupiter.com>

1 Overview

1.1 Introduction

Digi-Jupiter networked multimedia player **DJP-E20** employs the **Rockchip quad core RK3288**, having a strong capacity of multimedia processing and rich peripheral interfaces. **Besides, this player is able to run 4K files**

1.2 Features

- 28nm-process made main chipset is high-performance and low-power
- HD/VGA/AV interfaces are provided for access of various displays with a resolution up to 4K
- Support LAN, WIFI and 3G ,4G networks(option)., as well as standalone mode
- Auto timed on/off in multiple periods enables unattended operation
- Both vertical and horizontal displays are supported
- Support multi-touch screens



RK3288

- Quad-core Cortex-A17 up to 1.8GHz
- Mali-T764 GPU
- Dual-channel DDR3/DDR3L/LPDDR2/LPDDR3
- 4K UHD H265/H264
- BT.2020/BT.709
- H264 encoder
- TS in/CSA 2.0
- USB 2.0



2 Profile

2.1 Profile



Dimensions: L168 mm×W100 mm×H42mm

2.2 Interfaces

■ Front View



Interface	Description
USB1/USB2	Connects to USB devices
TF Card	Connects to TF cards
LED Indicator	Indicates the power state
IR Sensor	Receives commands from the remote control
IR_EX	Connects to an infrared remote extender receiver
COM	Communicates with external device via serial port

■ Rear View



Interface	Description
DC 5V	Connects to +12V DC power
AV	Outputs AV signal
VGA	Outputs VGA video signal
HD	Sends audio and video signals over a single HD
LAN	Connects to 10M/100M adapter Ethernet
WiFi	Connects to a WIFI antenna of 2.4G

3 Specification

Hardware Configuration	
Board	Rockchip RK3288 + ARM Quad Cortex A17 1.8 GHz CPU + ARM Quad Mali-t764 MP GPU + HYNIX/SAMSUNG DDR3 2Gbyte + HYNIX/SAMSUNG NAND FLASH 8GB (16GB, 32GB Option)
Resolution	4K HD
Features	
OS	Android 4.4
Media Formats	
Media Formats	Support mainstream media formats, including MPEG1, MPEG2, MPEG4, H.264, WMV, MKV, TS, flv, MP3, JPG, JPEG, BMP, PNG, GIF
Interfaces	
Power Supply	×1
Video Outputs	VGA×1 HD×1 AV x1
LAN	×1, 10/100/1000M Ethernet
WiFi	×1, WIFI(802.11bgn)
USB2.0	USB OTG×1 (can be used as HOST) USB HOST×1
IR	×1
TF Card Slot	×1
Serious port	RS232 x1 SPI/UART x1
Other Features	
RTC	Real Time Clock for time synchronization
Watch Dog	WDT circuit included for auto recovery from failure
Electrical Parameter	
Input Power	12V---2A DC
Dimensions	
Dimensions	L168 mm×W100 mm×H42mm