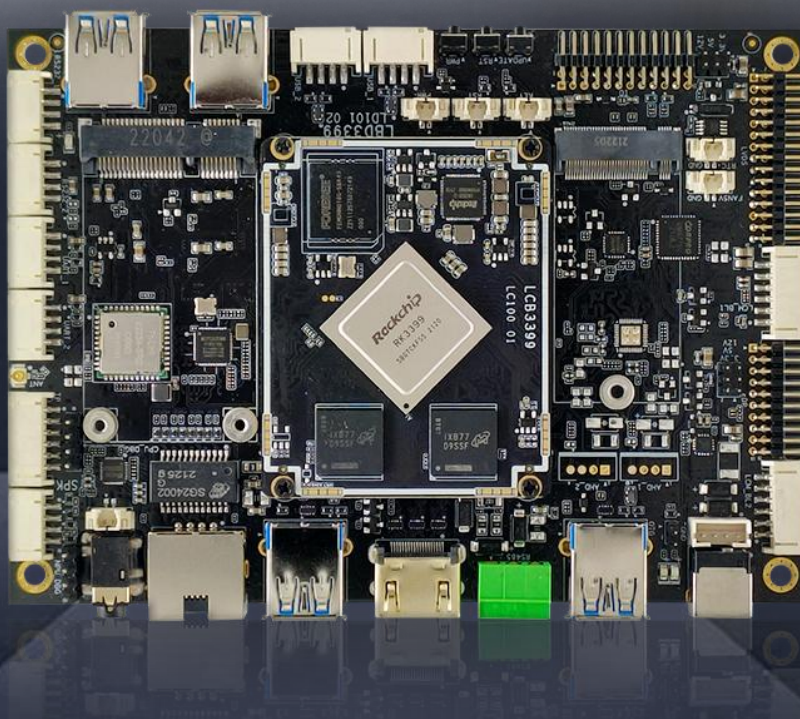




# LKD3399 Development Board

## Datasheet

### V1.0



Shanghai Neardi Technology Co., Ltd.  
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## Version History

| Version | Date      | Description     |
|---------|-----------|-----------------|
| V1.0    | 2022/8/23 | Initial version |

# Contents

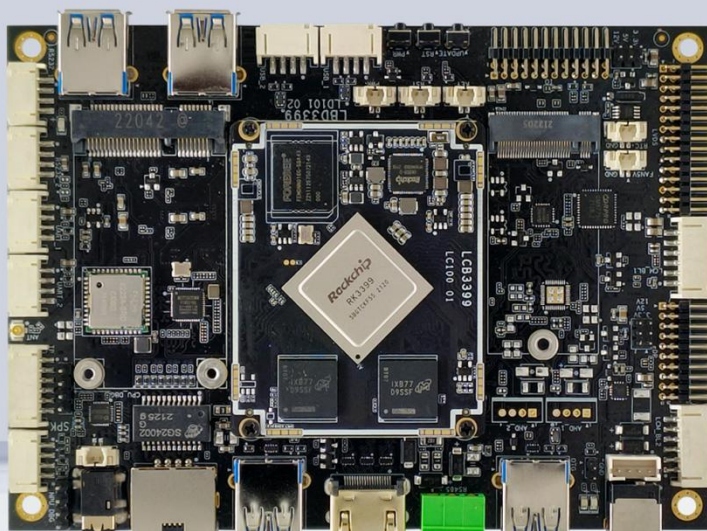
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# 1.Product Introduction

The LKD3399 is a multifunctional industry application board meticulously designed based on the Rockchip RK3399 chip platform, consisting of our company's LCB3399 core module and baseboard. The core module is connected to the baseboard through a B2B connector and is securely fastened with four M2 screws, ensuring stability and reliability. The board is versatile in functionality, rich in interfaces, compact in size, and thin and flat, making it suitable for products with limited structural space.

The LKD3399 features four USB 3.0 and two USB 2.0 interfaces, allowing for the connection of multiple USB cameras; it has two AHD camera input interfaces for simultaneously connecting two AHD cameras; and a mini-PCle interface that, in addition to connecting a 4G module, can also connect to our company's mini-PCle interface NPU computing card based on the RK1808, forming an artificial intelligence vision computing card that supports 3.0TOPS computing power in combination with multiple cameras; moreover, LKD3399 also supports dual-band WIFI, BT5.0, 1000M Ethernet, UART, RS232, RS485, and other commonly used communication module interfaces, and supports a variety of display interfaces such as HDMI, eDP, MIPI, dual-channel LVDS, and multi-screen display.

The LKD3399 supports Android, Linux, and Ubuntu systems, offering advantages such as high performance, high reliability, and high scalability, and provides users with open system source code. Users can develop and customize based on this product, and our company provides comprehensive technical support for developers and enterprise users, enabling them to efficiently complete research and development work and significantly shorten the product development and mass production cycle.



## 2. Function Overview



### High-Performance Processor

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**CPU**

RK3399, Dual Cortex-A72 plus quad Cortex-A53 architecture, with a clock speed up to 1.8GHz, offering high performance and low power consumption.

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**GPU**

ARM Mali-T860MP4 GPU, supporting AFBC (Advanced Frame Buffer Compression).

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**NPU**

3 TOPS of computational power.

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**VPU**

Capable of 4K/1080P video encoding and decoding, with 4K display output.

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**DDR**

LPDDR4, with options for 3GB/6GB.

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**eMMC**

eMMC 5.1, with options for 16GB/64GB.

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### Rich Interfaces

1 HDMI port, 1 eDP port, 1 dual-channel LVDS port, supporting multi-screen display with different content.

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2 UART interfaces, 2 RS232 interfaces.

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1 Gigabit Ethernet port, dual-band WIFI 6, and BT5.0.

---

1 MIPI PCIe interface, expandable for 4G/5G modules, and expandable for computing cards.

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1 M.2 M-Key interface, supporting external NVMe protocol SSDs.

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4 Type-A USB 3.0 ports, 2 4-pin PH2.0 USB 2.0 ports.

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2 AHD camera inputs, capable of connecting to 2 AHD cameras externally.

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## Operating System

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Android

Linux (Buildroot / Debian / Ubuntu)

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## Open Source Materials

WIKI Documentation      <http://www.neardi.com/cms/en/wiki.html>

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Quick Start

Firmware Upgrade

Android Development

Linux Development

Kernel Drivers

DEMO

System Customization

Accessories

Frequently Asked Questions (FAQ)

Release Notes

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## Hardware Materials

---

Chip Datasheet

Product 2D/3D Drawings

Core Board Pin Definitions

---

Baseboard Reference Schematic

Baseboard Reference PCB

Key Bill of Materials (BOM)

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## Software Materials

---

Firmware Tools and Drivers

Android Source Code and Images

U-Boot and Kernel Source Code

Debian/Ubuntu/Buildroot System Files

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### 3. Technical Specifications

#### Basic Parameters

|      |                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOC  | RK3399, 28 nm HKMG, Big cluster with dual-coreCortex-A72 + little cluster with quad-core Cortex-A53                                                                                                                                                          |
| GPU  | Mali- T860 MP4, OpenGL ES1.1/2.0/3.0/3.1/3.2, OpenCL1.2, DirectX11.1                                                                                                                                                                                         |
| VPU  | 4K VP9 and 4K H265 up to 60fps video decoding<br>1080P@60fps multi-format video decoding (MVC, mpeg-1/2/4, VC-1)<br>1080P video encoding, with h.264, MVC and VP8 format supported<br>Video anti-cross, de-noising, edge/detail/color optimization supported |
| DDR  | LPDDR4/LPDDR4X, 可选 3GB/6GB                                                                                                                                                                                                                                   |
| eMMC | eMMC 5.1, 可选 16GB/64GB                                                                                                                                                                                                                                       |
| PMU  | RK808                                                                                                                                                                                                                                                        |
| 系统   | Android / Ubuntu / Buildroot / Debian                                                                                                                                                                                                                        |

#### Hardware Specifications

|                |                                                             |
|----------------|-------------------------------------------------------------|
| Power          | DC12V - 2A (DC Jack 5.5*2.1mm / PH2.0 wafer connector)      |
| USB            | 4*Type-A USB3.0 HOST,<br>2*4Pin PH2.0 USB2.0 HOST connector |
| Display output | Type-A HDMI 2.0 up to 4K@60fps                              |

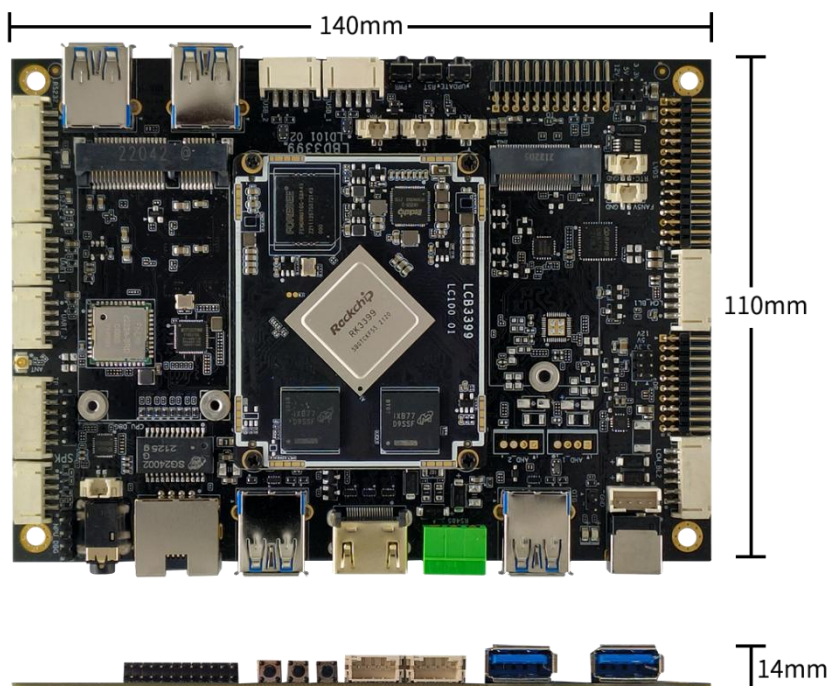
|               |                                                             |
|---------------|-------------------------------------------------------------|
|               | eDP1.1 20Pin PH2.0 up to 4Kx2K @ 30fps                      |
|               | MIPI-DSI up to 1080P@60HZ                                   |
|               | Dual channel LVDS up to 1080P@60HZ                          |
| Audio         | φ3.5mm earphone Jack with L/R audio out and Mic in          |
|               | 1* analog microphone                                        |
|               | 2*3W/4Ω speaker out with L/R channel                        |
|               | 1*HDMI audio out                                            |
| Display input | 1*MIPI_CSI interface                                        |
| Mini-PCle     | 1*mini PCle for 2G/3G/4G/5G LTE module or AI cards          |
| M.2           | M.2 NGFF ( M-KEY ) PCIE V2.1 x4 with NVMe SSD supported     |
| SD card       | Compatible with SDIO 3.0 protocol, system boot up supported |
| SIM card      | Micro sim slot for Mini-PCle 4G LTE module                  |
| RJ-45         | 1*10/100/1000 Ethernet                                      |
| RTC           | 2Pin GH1.25 connector, RTC power on and off supported       |
| Others        | 2*Uart, 2*RS232, 1*RS485, lots of GPIOs                     |

### Other Parameters

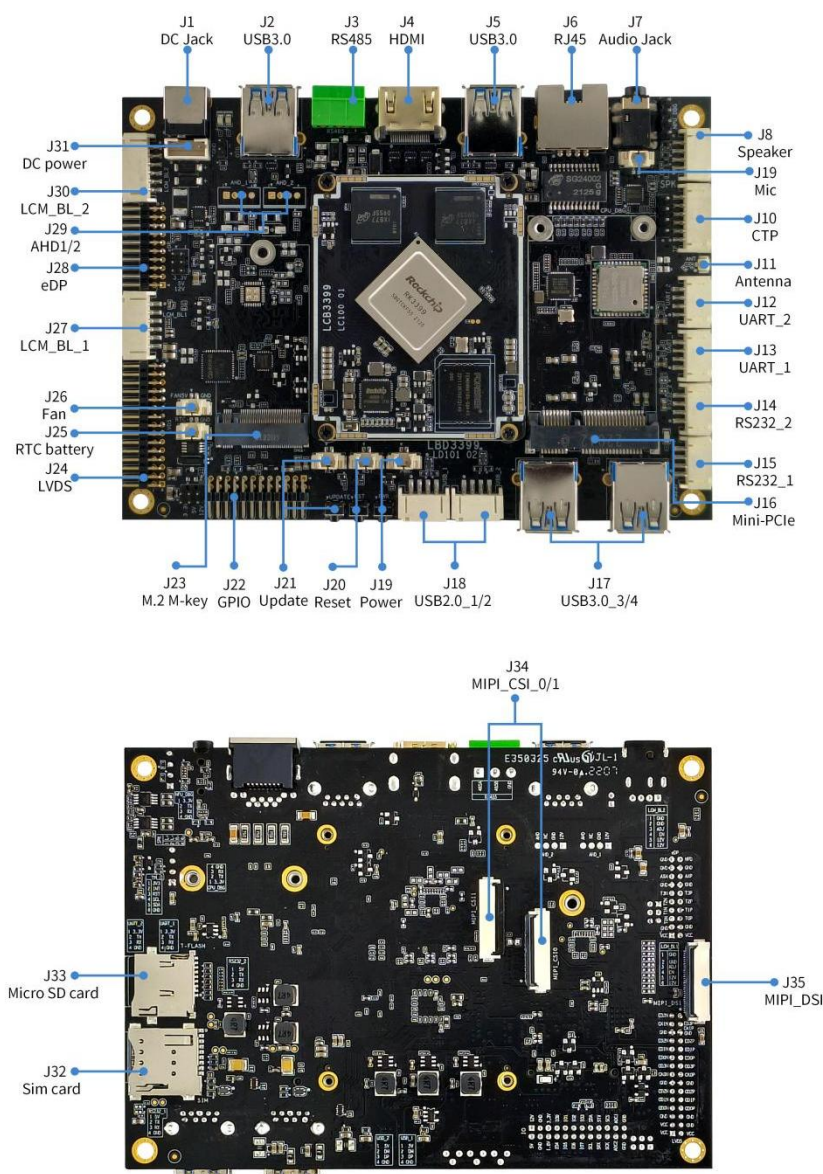
|                       |                                             |
|-----------------------|---------------------------------------------|
| Dimensions            | Length * Width * Height (mm) 140*100*14     |
| Operating Temperature | -10 ~ 70°C                                  |
| Weight                | Approximately 118 g (excluding peripherals) |

## 4. Appearance and Dimensions

### 4.1 Appearance



## 5.Interface Definition



| Part reference | Part Name | Part Specifications            | Part Description                             |
|----------------|-----------|--------------------------------|----------------------------------------------|
| J1             | DC Jack   | DC 5.5*2.1mm                   | Main power supply, DC12V – 3A                |
| J2             | USB3.0    | Type-A USB3.0 OTG              | USB3.0 OTG                                   |
| J3             | RS485     | RS485 serial communication bus | Data Rate up to 250 kbps and up to 256 Nodes |
| J4             | HDMI      | Type-A HDMI 2.0                | HDMI 2.0 Transmitter up to 4K@60HZ           |
| J5             | USB3.0    | Type-A USB3.0 host             | USB3.0 host                                  |

|            |               |                                 |                                                                              |
|------------|---------------|---------------------------------|------------------------------------------------------------------------------|
| <b>J6</b>  | RJ45          | Gigabit Ethernet                | 10/100/1000-Mbps data transfer rates                                         |
| <b>J7</b>  | Audio Jack1   | φ3.5mm 3-L Jack                 | L/R audio out and Mic in                                                     |
| <b>J8</b>  | Speaker       | PH2.0mm 4pin wafer              | 3W/4Ω or 1.5W/8Ω speaker for L&R channel                                     |
| <b>J9</b>  | Mic           | GH1.25mm 2pin wafer             | Analog microphone input                                                      |
| <b>J10</b> | CTP           | PH2.0mm 6pin wafer              | I2C bus and GPIO input type for CTP module                                   |
| <b>J11</b> | Antenna       | Ipex RF connector               | WIFI+BT 2.4GHz&5GHz antenna                                                  |
| <b>J12</b> | UART_2        | PH2.0mm 4pin wafer              | The second channel of UART bus                                               |
| <b>J13</b> | UART_1        | PH2.0mm 4pin wafer              | The first channel of UART bus                                                |
| <b>J14</b> | RS232_2       | PH2.0mm 4pin wafer              | The second channel of RS232 bus                                              |
| <b>J15</b> | RS232_1       | PH2.0mm 4pin wafer              | The first channel of RS232 bus                                               |
| <b>J16</b> | Mini-PCIe     | Mini-PCIe 52pin socket          | For 2G/3G/4G LTE module used                                                 |
| <b>J17</b> | USB3.0_3/4    | Type-A USB3.0 host              | USB3.0 host                                                                  |
| <b>J18</b> | USB2.0_1/2    | Type-A USB2.0 host              | The USB2.0 host for external devices                                         |
| <b>J19</b> | Power         | push-button,PH2.0mm 2pin wafer  | Key for system Power on/off,Socket for External Power Key                    |
| <b>J20</b> | Reset         | push-button,PH2.0mm 2pin wafer  | Key for system reset, Connector for external Reset key                       |
| <b>J21</b> | Update        | push-button,PH2.0mm 2pin wafer  | Key for system recovery or other function, Connector for external update key |
| <b>J22</b> | GPIO          | PH2.0mm 2*12pin header          | Power output,I2C,SPI,ADC and GPIO                                            |
| <b>J23</b> | M.2 M-key     | Standard M.2 M-key connector    | M.2 NGFF ( M-KEY ) with PCIE V3.0 x2                                         |
| <b>J24</b> | LVDS          | PH2.0mm 2x20pin header          | Dual channel 24bit LVDS output                                               |
| <b>J25</b> | RTC battery   | GH1.25mm 2pin wafer             | RTC battery power input 3.0V                                                 |
| <b>J26</b> | FAN           | GH1.25mm 2pin wafer             | For external cooling fan use                                                 |
| <b>J27</b> | LCM_BL_1      | PH2.0mm 6pin wafer              | The first LCM backlight control                                              |
| <b>J28</b> | eDP           | PH2.0mm 2x10pin header          | eDP1.1 up to 4K*2K@30fps                                                     |
| <b>J29</b> | AHD_1/2       | PH2.0mm 4pin wafer              | The channel AHD camera input                                                 |
| <b>J30</b> | LCM_BL_2      | PH2.0mm 6pin wafer              | The second LCM backlight control                                             |
| <b>J31</b> | DC Power      | PH2.0mm 4pin wafer              | DC 12V-3A power in or out                                                    |
| <b>J32</b> | Micro SD Card | Push-Push TF socket             | Micro SD Card                                                                |
| <b>J33</b> | SIM Card      | Push-Push Micro SIM Socket      | For Micro SIM Card (1.8/3.3V)                                                |
| <b>J34</b> | MIPI_CSI_0/1  | 30pin 0.5mm pitch FPC connector | MIPI-CSI 4lane or 2*2Lane for external cameras                               |
| <b>J35</b> | MIPI_DSI      | 30pin 0.5mm pitch FPC connector | MIPI_DSI 4lane for external displays                                         |

## 6. Pin Definition

### RS485(J3)

| Pin number | Pin name | Voltage level | notice |
|------------|----------|---------------|--------|
| 1          | RS485-A  | RS485         | -      |
| 2          | RS485-B  | RS485         | -      |
| 3          | GND      | GND           | -      |

### Speaker(J8)

| Pin number | Pin name | Voltage level | notice                         |
|------------|----------|---------------|--------------------------------|
| 1          | SPK_L+   | -             | speaker left channel positive  |
| 2          | SPK_L-   | -             | speaker left channel positive  |
| 3          | SPK_R-   | -             | speaker right channel positive |
| 4          | SPK_R+   | -             | speaker right channel positive |

### CTP(J10)

| Pin number | Pin name  | Voltage level | notice              |
|------------|-----------|---------------|---------------------|
| 1          | VCC3V0_TP | 3.0V          | -                   |
| 2          | Touch_int | 3.3V          | GPIO3_B2_U          |
| 3          | Touch_rst | 3.3V          | GPIO3_C0_U          |
| 4          | Touch_scl | 3.3V          | GPIO1_B4_U/I2C4_SCL |
| 5          | Touch_sda | 3.3V          | GPIO7_B3_U/I2C4_SDA |
| 6          | GND       | GND           | GND                 |

### UART\_2(J12)

| Pin number | Pin name    | Voltage level | notice |
|------------|-------------|---------------|--------|
| 1          | VCC3V3_UART | 3.3V          | -      |
| 2          | UART_TX     | 3.3V          | -      |
| 3          | UART_RX     | 3.3V          | -      |
| 4          | GND         | GND           | GND    |

### UART\_1(J13)

| Pin number | Pin name    | Voltage level | notice |
|------------|-------------|---------------|--------|
| 1          | VCC3V3_UART | 3.3V          | -      |
| 2          | UART_TX     | 3.3V          | -      |
| 3          | UART_RX     | 3.3V          | -      |

|   |     |     |     |
|---|-----|-----|-----|
| 4 | GND | GND | GND |
|---|-----|-----|-----|

**RS232\_2(J14)**

| Pin number | Pin name    | Voltage level | notice |
|------------|-------------|---------------|--------|
| 1          | VCC5V_RS232 | 5.0V          | -      |
| 2          | RS232_TX    | RS232         | -      |
| 3          | RS232_RX    | RS232         | -      |
| 4          | GND         | GND           | GND    |

**RS232\_1(J15)**

| Pin number | Pin name    | Voltage level | notice |
|------------|-------------|---------------|--------|
| 1          | VCC5V_RS232 | 5.0V          | -      |
| 2          | RS232_TX    | RS232         | -      |
| 3          | RS232_RX    | RS232         | -      |
| 4          | GND         | GND           | GND    |

**USB2.0(J18)**

| Pin number | Pin name  | Voltage level | notice |
|------------|-----------|---------------|--------|
| 1          | VCC5V_USB | 5V            | -      |
| 2          | USB_DM    | -             | -      |
| 3          | USB_DP    | -             | -      |
| 4          | GND       | GND           | -      |

**GPIO(J22)**

| Pin number | Pin name | Voltage level | notice |
|------------|----------|---------------|--------|
| 1          | VCC12V   | 12V           | -      |
| 2          | VCC5V    | 5V            | -      |
| 3          | GND      | GND           | -      |
| 4          | GND      | GND           | -      |
| 5          | VCC3V3   | 3.3V          | -      |
| 6          | VCC1V8   | 1.8V          | -      |
| 7          | GPIO0    | 1.8V~3.3V     | -      |
| 8          | GPIO1    | 1.8V~3.3V     | -      |
| 9          | GPIO2    | 1.8V~3.3V     | -      |
| 10         | GPIO3    | 1.8V~3.3V     | -      |
| 11         | GPIO4    | 1.8V~3.3V     | -      |
| 12         | GPIO5    | 1.8V~3.3V     | -      |
| 13         | GPIO6    | 1.8V~3.3V     | -      |
| 14         | GPIO7    | 1.8V~3.3V     | -      |

|    |         |         |            |
|----|---------|---------|------------|
| 15 | I2C_SDA | 1.8V    | GPI4_A1_U  |
| 16 | I2C_SCL | 1.8V    | GPI4_A2_U  |
| 17 | SPI_TX  | 3.3V    | GPIO2_B2_U |
| 18 | SPI_RX  | 1.8V    | GPIO2_B1_U |
| 19 | SPI_CS  | 1.8V    | GPIO2_B4_U |
| 20 | SPI_CLK | 1.8V    | GPIO2_B3_U |
| 21 | ADC3    | 0V~1.8V | ADC_IN3    |
| 22 | ADC2    | 0V~1.8V | ADC_INT2   |
| 23 | GND     | GND     | -          |
| 24 | GND     | GND     | -          |

### LVDS(J24)

| Pin number | Pin name   | Voltage level                   | notice |
|------------|------------|---------------------------------|--------|
| 1          | VCC_LVDS   | 3.3/5/12V optional<br>by jumper | -      |
| 2          | VCC_LVDS   |                                 | -      |
| 3          | VCC_LVDS   |                                 | -      |
| 4          | GND        | GND                             | -      |
| 5          | GND        | GND                             | -      |
| 6          | GND        | GND                             | -      |
| 7          | LVDS_OD0N  | -                               | -      |
| 8          | LVDS_OD0P  | -                               | -      |
| 9          | LVDS_OD1N  | -                               | -      |
| 10         | LVDS_OD1P  | -                               | -      |
| 11         | LVDS_OD2N  | -                               | -      |
| 12         | LVDS_OD2P  | -                               | -      |
| 13         | GND        | GND                             | -      |
| 14         | GND        | GND                             | -      |
| 15         | LVDS_ODCKN | -                               | -      |
| 16         | LVDS_ODCKP | -                               | -      |
| 17         | LVDS_OD3N  | -                               | -      |
| 18         | LVDS_OD3P  | -                               | -      |
| 19         | LVDS_ED0N  | -                               | -      |
| 20         | LVDS_ED0P  | -                               | -      |
| 21         | LVDS_ED1N  | -                               | -      |
| 22         | LVDS_ED1P  | -                               | -      |
| 23         | LVDS_ED2N  | -                               | -      |
| 24         | LVDS_ED2P  | -                               | -      |
| 25         | GND        | GND                             | -      |
| 26         | GND        | GND                             | -      |
| 27         | LVDS_ED3N  | -                               | -      |
| 28         | LVDS_ED3P  | -                               | -      |
| 29         | LVDS_EDCKN | -                               | -      |

|    |            |   |   |
|----|------------|---|---|
| 30 | LVDS_EDCKP | - | - |
|----|------------|---|---|

**RTC battery(J25)**

| Pin number | Pin name   | Voltage level | notice               |
|------------|------------|---------------|----------------------|
| 1          | VCC3V0_RTC | 2.5V~3.3V     | RTC battery positive |
| 2          | GND        | GND           | -                    |

**FAN(J26)**

| Pin number | Pin name   | Voltage level | notice |
|------------|------------|---------------|--------|
| 1          | VCC5V0_Fan | 5.0V          | -      |
| 2          | GND        | GND           | -      |

**LCM\_BL\_1 (J27)**

| Pin number | Pin name  | Voltage level | Notice          |
|------------|-----------|---------------|-----------------|
| 1          | GND       | GND           | -               |
| 2          | GND       | GND           | -               |
| 3          | BL_ADJ    | 3.3V          | GPIO4_C2_D/PWM0 |
| 4          | BL_EN     | 3.3V          | GPIO4_C6_D/PWM1 |
| 5          | VCC12V_BL | 12V           | -               |
| 6          | VCC12V_BL | 12V           | -               |

**eDP(J28)**

| Pin number | Pin name | Voltage level                   | Notice |
|------------|----------|---------------------------------|--------|
| 1          | VCC_EDP  | 3.3/5/12V optional<br>by jumper | -      |
| 2          | VCC_EDP  |                                 | -      |
| 3          | GND      | GND                             | -      |
| 4          | GND      | GND                             | -      |
| 5          | EDP_TX0N | -                               | -      |
| 6          | EDP_TX0P | -                               | -      |
| 7          | EDP_TX1N | -                               | -      |
| 8          | EDP_TX1P | -                               | -      |
| 9          | EDP_TX2N | -                               | -      |
| 10         | EDP_TX2P | -                               | -      |
| 11         | EDP_TX3N | -                               | -      |
| 12         | EDP_TX3P | -                               | -      |
| 13         | GND      | GND                             | -      |
| 14         | GND      | GND                             | -      |
| 15         | EDP_AUXN | -                               | -      |
| 16         | EDP_AUXP | -                               | -      |

|    |     |     |   |
|----|-----|-----|---|
| 17 | GND | GND | - |
| 18 | GND | GND | - |
| 19 | GND | GND | - |
| 20 | NC  | NC  | - |

**AHD\_1/2(J29)**

| Pin number | Pin name   | Voltage level | Notice                      |
|------------|------------|---------------|-----------------------------|
| 1          | VCC12V_AHD | 12V           | Power output for AHD camcra |
| 2          | GND        | GND           | -                           |
| 3          | NC         | -             | -                           |
| 4          | AHD_IN     | -             | AHD signal input            |

**LCM\_BL\_2(J30)**

| Pin number | Pin name  | Voltage level | Notice          |
|------------|-----------|---------------|-----------------|
| 1          | GND       | GND           | -               |
| 2          | GND       | GND           | -               |
| 3          | BL_ADJ    | 3.3V          | GPIO4_C2_D/PWM0 |
| 4          | BL_EN     | 3.3V          | GPIO4_C6_D/PWM1 |
| 5          | VCC12V_BL | 12V           | -               |
| 6          | VCC12V_BL | 12V           | -               |

**DC Power(J31)**

| Pin number | Pin name | Voltage level | Notice |
|------------|----------|---------------|--------|
| 1          | DC_IN    | 12V           | -      |
| 2          | DC_IN    | 12V           | -      |
| 3          | GND      | GND           | -      |
| 4          | GND      | GND           | -      |

**MIPI\_DSI(J35)**

| Pin number | Pin name    | Voltage level | Notice              |
|------------|-------------|---------------|---------------------|
| 1          | VCC12V_LCM  | 12V           | -                   |
| 2          | VCC12V_LCM  | 13V           | -                   |
| 3          | VCC12V_LCM  | 14V           | -                   |
| 4          | VCC5V_LCM   | 5V            | -                   |
| 5          | VCC5V_LCM   | 5V            | -                   |
| 6          | VCC3V3_LCM  | 3.3V          | -                   |
| 7          | VCC3V3_LCM  | 3.3V          | -                   |
| 8          | VCC1V8_LCM  | 1.8V          | -                   |
| 9          | I2C_SCL_LCM | 3.3V          | GPIO4_A2_U/I2C1_SCL |

|    |              |      |                     |
|----|--------------|------|---------------------|
| 10 | I2C_SDA_LCM  | 3.4V | GPIO4_A1_U/I2C1_SDA |
| 11 | LCM_BL_ADJ   | 3.5V | GPIO4_C2_D/PWM0     |
| 12 | LCM_BL_EN    | 3.6V | GPIO4_C6_D/PWM1     |
| 13 | LCM_PWR_EN   | 3.7V | GPIO4_C5_D          |
| 14 | LCM_RST      | 3.8V | GPIO4_D5_D          |
| 15 | GND          | GND  | -                   |
| 16 | MIPI_TX_D3N  | -    | -                   |
| 17 | MIPI_TX_D3P  | -    | -                   |
| 18 | GND          | GND  | -                   |
| 19 | MIPI_TX_D2N  | -    | -                   |
| 20 | MIPI_TX_D2P  | -    | -                   |
| 21 | GND          | GND  | -                   |
| 22 | MIPI_TX_CLKN | -    | -                   |
| 23 | MIPI_TX_CLKP | -    | -                   |
| 24 | GND          | GND  | -                   |
| 25 | MIPI_TX_D1N  | -    | -                   |
| 26 | MIPI_TX_D1P  | -    | -                   |
| 27 | GND          | GND  | -                   |
| 28 | MIPI_TX_D0N  | -    | -                   |
| 29 | MIPI_TX_D0P  | -    | -                   |
| 30 | GND          | GND  | -                   |

## 7.Application Scenarios



**AI**



**Machine Vision**



**Industrial Control**



**Energy and Power**



**Smart Tablet**



**VR**



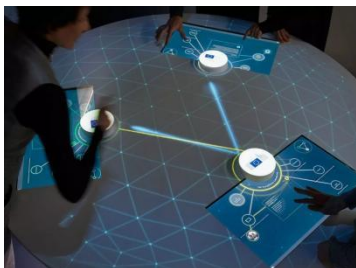
**Smart Logistics**



**New**



**Smart Commercial**



**Object Recognition**



**Vehicle terminal**



**Security Surveillance**

## 8.Ordering Model

| Product Model | Status | CPU    | DDR | eMMC | Operating Temperature |
|---------------|--------|--------|-----|------|-----------------------|
| LZ10121600    | ACTIVE | RK3399 | 2GB | 16GB | -10°C - 70°C          |
| LZ10141600    | ACTIVE | RK3399 | 4GB | 16GB | -10°C - 70°C          |
| LZ10146400    | ACTIVE | RK3399 | 4GB | 64GB | -10°C - 70°C          |

\*For customized non-standard orders, please contact us via email at [sales@neardi.com](mailto:sales@neardi.com).

## 9.About NearDi

Shanghai NearDi Technology Co., Ltd., established in 2014, is a national-level high-tech enterprise, a strategic partner of Rockchip, and an authorized agent for Black Sesame Technologies. We focus on the research and development and production of enterprise-level open-source hardware platforms, offering customers core modules, industry-specific boards, development boards, touch panels, and industrial control hosts. Adhering to the core philosophy of technological innovation and professional service, leveraging NearDi Technology's technical strengths and industry experience, we assist our partners in achieving rapid mass production of their products.

## Company Advantages

Software Design / Custom OS / Product ODM / Bulk Delivery

## Products

### Rockchip

#### System On Module



LCB3588/J



LCB3568/J



LCB3566



LCB3399Pro



LCB3399

#### Development Board



LKD3588/J



LKD3568/J



LKD3566



LKD3399Pro



LKD3399

#### Embedded Computer



LPB3588



LPM3588



LPC3588



LPB3568



LPB3399Pro

### Black Sesame Technologies



SOM-A-A1000



SOM-π-A1000



SOM-B-A1000



SOM-A1000 开发者套件

### Vehicle Terminal



LPA3588



LPA3568



LPA3399Pro



LPS3399Pro

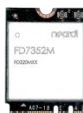
### WIFI Module



FD7352S



FD7352P



FD7352M



FD7155U



FD7256S