

DWIN Android UART LCM

- Deepin Android 4.1 with streamlined features



A reliable solution for industrial HMI based on Android system



Beijing DWIN Technology Co., Ltd.



1. Free Open-Source:

Patent free with resourceful apps

2. Good Experience for Development:

Easy to design UI, JAVA language

3. Excellent Communication Performance:

Support functions targeting level of industrial applications including touch screen, 3G-technology, GPS, Wireless, Multimedia plays and screenshot

4. Warrant and Support:

Direct support and customization from ASIC vendor.

INDUSTRIAL ANDROID'S TIME IS NOW



HD Video:



- Video playback up to 1080P in the formats of H.264, VC-1, MPEG-2, MPEG-4 and Real Video ;
- Video Encoding up to 1080P in the format of H.264.

Powerful Networking Capabilities:



- 10M/100M Ethernet
 - 802.11b/g/n WLAN supported

Camera Accessory Support:



In addition to USB interface, specially provide an AV terminal interface for the external camera to take photos and videos.



Features



Good Visual Experience:

16.77 million true-color display.



Stable and Reliable:

The system was bug-tested and optimized in depth. Closed system is only available to user application software.



Extensibility:

Rich communication interfaces include serial ports, USB and others; Supports up to four serial ports.



Dual Different Display:

A core driver board can display different contents on two screens simultaneously.



Low Power Consumption:

In the 12V power supply, the power consumption is about 4W.



Personalized Boot Interface:

User defined boot animation with logos, personalized effect, enhance recognition of the product.



Support Multi-touch:

Capacitive touch screen optional, 5 points touch



Easy to Development:

Provides hardware and underlying drivers, coordinating with user to build the software environment.

Catalogue

Customizable Hardware and Software



- Touch screen optional
- Support for infrared touch screen
- Android driver boards with a VGA port and a HDMI port are available separately

Size	Scale	P / N	Resolution (H*V)	Brightness (nit)	Working Voltage (V)	Working Temperature (°C)	Remarks
7.0	16:9	DMT80480T070_31WT	800*480	300	5/6-42	-20/+70	Resistive touch screen/WIFI/ Ethernet
7.0	16:9	DMT80480T070_32WT	800*480	300	5/6-42	-20/+70	Capacitive touch screen/WIFI/ Ethernet
7.0	16:9	DMT80480T070_31WTZ1	800*480	300	5/6-42	-20/+70	Resistive touch screen/ Ethernet/ Without WIFI/ (RS232/RS422/RS485)
8.0	4:3	DMT80600T080_31WT	800*600	250	5/6-42	-20/+70	Resistive touch screen/WIFI/ Ethernet Simulation video camera interface optional
8.0	4:3	DMT80600T080_32WT	800*600	300	5/6-42	-20/+70	Capacitive touch screen/WIFI/ Ethernet/ Simulation video camera interface optional
9.7	4:3	DMT10768T097_31WT	1024*768	300	5/6-42	-20/+70	Resistive touch screen/WIFI/ Ethernet
10.4	4:3	DMT80600T104_31WT	800*600	300	5/6-42	-20/+70	Resistive touch screen/WIFI/ Ethernet
15.0	4:3	DMT10768T150_31WT	1024*768	250	5/6-42	-20/+70	Resistive touch screen/WIFI/ Ethernet

System	Android 4.1	
Display	24-bit true color	
CPU	1 GHz Dual-core	
Memory	512MB DDR3	
Flash	4GB NAND Flash	
Interface	Serial ports (4-channel)	TTL/RS 232
	USB Interface (2-channel)	one USB 2.0 HOST; one USB 2.0 host/device switchable
	Micro SD Card Interface (1 channel)	extend memory and export Data
	Analog Camera Interface	supports PAL/NTSC video format
	Ethernet Interface (1 channel)	
	External speaker interface (1 channel)	Up to 1 Watt audio power amplifier
	MIC Interface(1 channel)	external microphone, sound recording



Traceability Measurement



Ticket Machine



POS Equipment



Vending Machine



Body Health Measurement

Typical Application



Excellent R&D Team:

DWIN has been the leader of the Industrial LCD market in China for years because we offered the most satisfactory salary and benefits for the state-of-the-art scientific specialists, along with futuristic research and development subjects, motivated teamwork, and innovated management system, and dedicated to develop products that are capable to benefit both of our clients and ourselves.

Favorable Delivery Terms:

Considering that lowering capital pressure of client (especially SME) for better company performance, we guarantee the customer's standard purchase is always available within 100 pieces, and two weeks ordering in advance in bulk package are preferred.



Thoughtful Services:

The services are:

- 3 Technical Support Centers located in Beijing, Guangzhou and Suzhou.
- Call center and easy-to-use Internet services.
- Free coding testing for client and technical support of software/hardware design environment.
- Due to quality flaw of goods, we accept unconditionally refund within one week, free change within 30 days, 1 year warranty.

Trust Quality:

We only choose raw materials & components from top-class international brands.

Components of our kernel are all produced by ourselves in our own factory. Before delivery, 100% of products are fully measured by thermo cycling test, simulative transportation test, performance test, sampling humidity test, ESD, 72 hours pre-burning test.

Inductance:
TDK,
Murata

RC:
TDK,
Murata;

Connectors:
Molex, HRS,
Tyco, Omron.

IC: TI, ISSI, CY,
SAMSUNG,
Toshiba;

Solder:
Alpha;



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