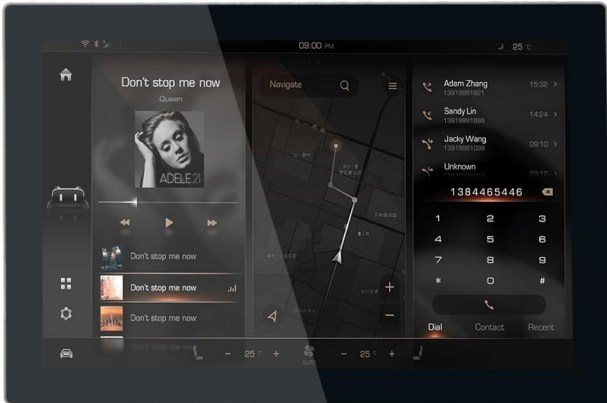
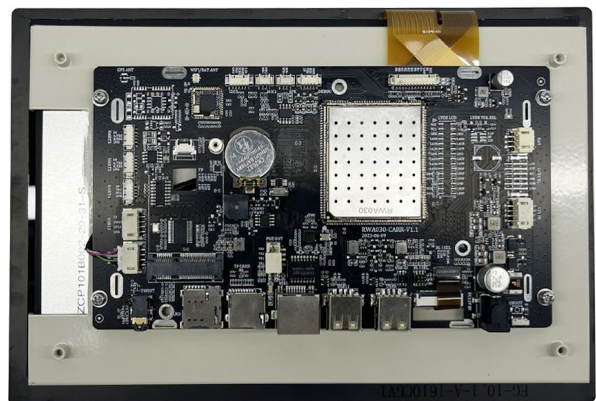


10.1 Inch Smart Screen



This specification is made to clearly regulate the performance of touch control modules of our products. When there is any conflict between this specification and other individual specifications, this specification will still take priority. If the contents of this specification are insufficient or the contents need to be changed, it shall be made separately after discussion at the meeting.

Product Presentation



- Capacitive touch screen, the operation is more intuitive, more interesting, not easy to touch by mistake, high durability;
- The whole machine is shockproof, easy to deal with transportation/industrial/medical and other working environments;
- Flame proof, explosion proof and moisture proof;
- Anti-static, ESD: contact 4KV, air 8KV; Anti-interference, lightning protection, anti-magnetic design;
- Power management chip, wide voltage: support 90V~240V power input

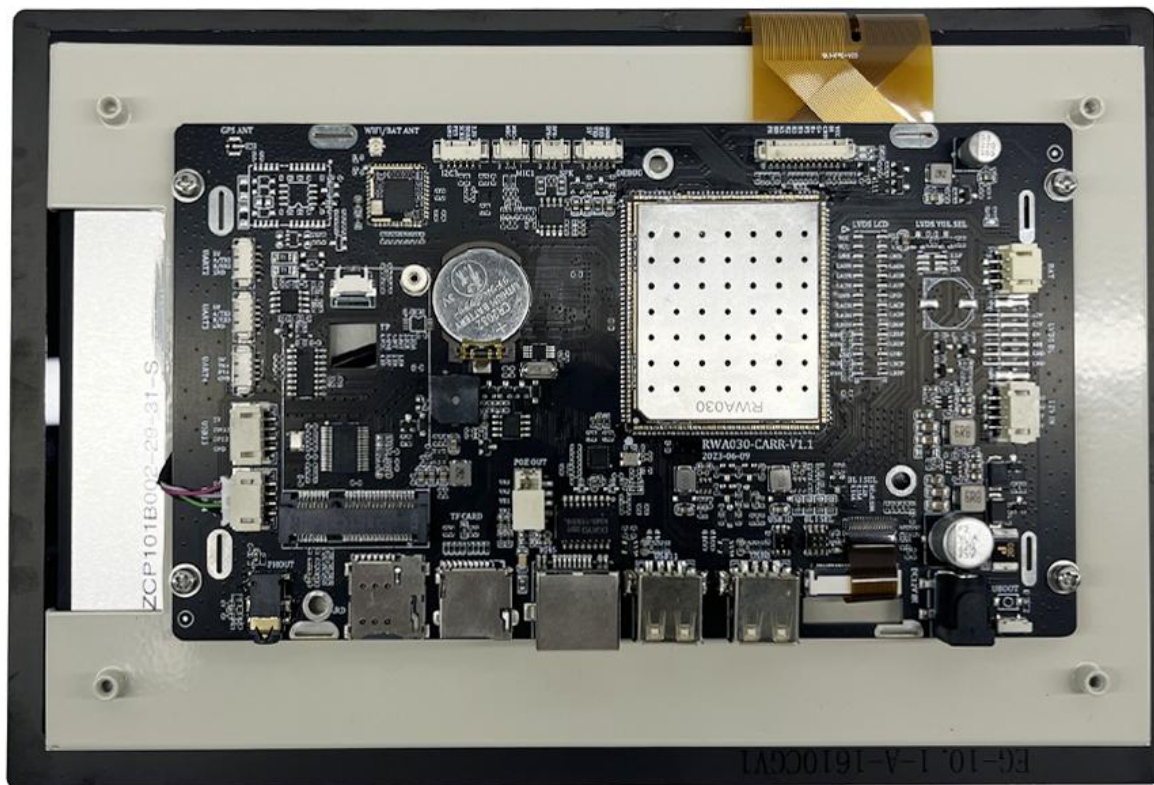
Product Parameter

Name	10.1 Inch Touch Monitor
Model	ZD-101ZH-01
Size	10.1 inch
Resolution Ratio	1280×800
Angle of View	85/85/85/85 (L/R/U/D)
Color	16.7M
Brightness(Standard value)	300cd/m ²
Response Time	30 ms
Display P/N	NA
Display Area	135.36 * 216.58mm
Pixel Pitch(mm)	NA
Type of touch screen	Capacitive touch screen
DPI	500 dpi
Input Mode	Handwritten or capacitive pen
Surface Hardness	7H
Calibration	Support
Operating Temperature	0°C ~ 50 °C
Storage Temperature	-10 °C ~ 60 °C
Humidity	10%-90% (Relative humidity without condensation)
Life Time	30000h
Power Consumption(Max)	≤15W
Power Consumption (Standby)	≤1W
Power Input	AC 90-240V
Power Output	DC12V /24V

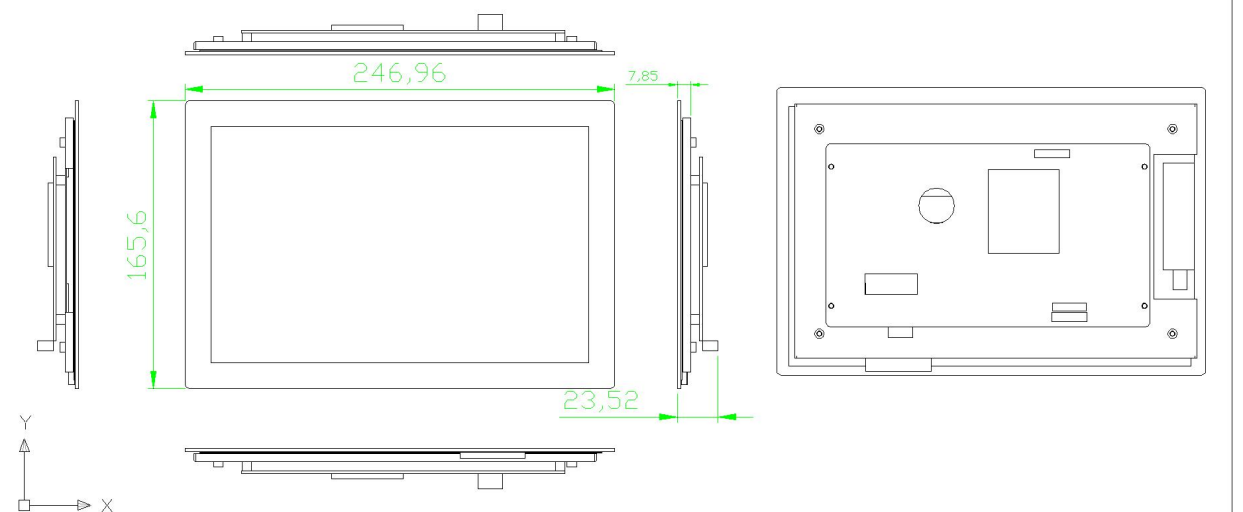
Main board parameters

eMMC	•support eMMC 5.1 protocol •support eMMC firing, 8 Bit bus width •Default is 8GB of memory, Support for 8GB-128GB capacity
SD/MMC	•Support for TF card, compatible with SD3.0 •Support 2GB-128GB •support 4 Bit bus width
LPDDR4	•1,256 * 32, LPDDR4, cache •Default 1GB, optional 2GB or 4GB
touch	•support USB touch screen •Support for I2C COF touch screen, 6 PIN socket
USB	•4 USB, 1 USB OTG, can be used to upgrade or transfer data •3-way USB host, extended USB camera or support for multiple peripherals
GPS	•Onboard ST-26-Z8LR GPS module (default) •BDS/GPS/GLONASS •Positioning accuracy is 2.5 m and supports AGNSS
Audio input and output	•Input all the way •All the way earphone output, left and right sound channel, four segments •Onboard road power amplifier, 1 * 3 watts about the sound channel •Onboard one-road buzzer
TWI	•Two TWI protocol, I2C2 and touch screen share, I2C3 can expand GPIO •Multiple standard I2C protocol external devices are supported
UART	•Support four ways •All the way debugging serial port, UART 0 •Serial port UART 2, default TTL mode, can support RS485 •Two serial port, UART3 and UART 4, default TTL, can support RS232

key	•Onboard UBOOT key •Onboard Reset key
WIFI+BT	•Default support WIFI+BT, 2.4G WIFI, 802.11 b/g/n •Bluetooth,V2.1+EDR/BT v3.0/BT v3.0+HS/BT v4.0
4G module	•Support for PCIe USB 4G module (no PCIe and Micro SIM by default) • Default EC20, CAT 1
PoE supply electricity	•Support PoE supply electricity,12V,30W •4PIN WF2.0 joggle
GPIOs	•Common with I2C3, support 3-road GPIO, both can do input and output • External power supply can be 3.3V
key	•Support for the extended ADC button •Support the extended switch button
PWM	•All Road PWM output • Support for display dimming
gyroscope	•Triaxial accelerometer (off-default) •0.125-128 sampling / second
show	•Default 7 inches 1024 * 600, can expand 8 inches, 10.1 inches 31 Pin, 800 * 1280 M IPI display, with backlight current optional •Support for LVDS display, 2 * 15 PIN, 1920 * 1080P, 30 fps
source	•12V, 2A power input, DC seat inner core 2.0mm •WF2.0 interface 6 PIN, power supply input •RTC Battery Power, CR2032 3V (off by default) •Support lithium battery power supply (if you need to use LVDS large screen, use external power supply)
Android system	•Android 10 system (Android Go) • Kernel Version:Linux 4.9
other	•System operating and power supply LED, indicator light •Onboard GPS, WIFI + BT antenna interface, IPEX-I generation interface



Product Display



Resistance to vibration	5-19HZ/1.0mm amplitude; 19-200HZ/1.0g acceleration
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Resistance to impact	10g acceleration, 11ms period
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Humidity at work	10%-90% (relative humidity without condensation)
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anti-interference	EMI/EMC interference detection standards
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