






Quality Standards of DWIN HMI intelligent LCD display for Medical grade applications

- LCD screen is from original factory. LED backlight life is (The time to halve the brightness when highest brightness continuously work) 30,000 hours, any dot and dead pixels (bright spots and dark spots) are not allowed.
- 30-day ageing and screening for all LCD and 72-hour at 50°C ageing with power for whole screen screen before it leaves the factory.
- EMC special treatment can meet CE Class B standard, three prevention and other special treatment

DGUS SERIES Based on drive IC	Platform	SDK (software development kit)	Development guide	Configuration file	Remark
T5L DGUS II	T5L	DGUS V7.624 or above  DGUS Tool V7.624.exe or DGUS updated V8.2.0.32  DGUS_Tool_V8.2.0.32.exe	T5L DGUS II application development	1. T5L51*.BIN (C language program) 2. 13Touch_Control_Config.bin 3. 14Variable_Config.bin 4. 22_config.bin 5. ICL image file 6. T5LCFG*.CFG 7. font library, WAE audio file	Mass production in 2019 Most price competitive
SDK for configure.BIN and .CFG file: Uedit32.exe 					
SDK for debug with PC: serial port debug assistant:  					



WTC:
Capacitive
Touch



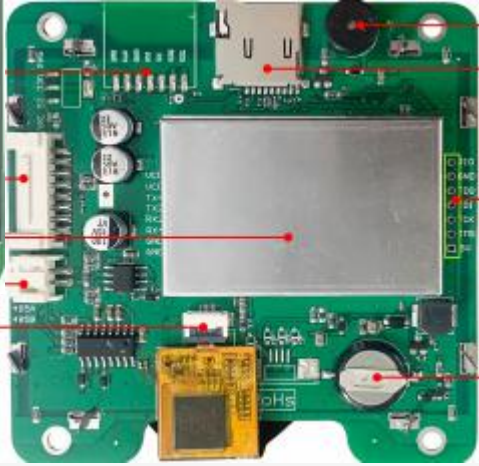
WTC:
Capacitive
Touch



Size:	3 inch
Model Number:	DMG64360K030_01W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	360*640
Aspect Ratio:	4:3
LCD Type:	IIPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	65.28mm (W)×36.72mm (H)
Brightness(Nits):	250
Power Supply Voltage(V):	5V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files. Rewrite cycle: over 100,000 times
RTC:	Yes
Case:	No
User Interface:	10Pin_1.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG64480K035_03WN No touch	US\$17.49/PC
DMG64480K035_03WTR Resistive touch	US\$19.69/PC
DMG64480K035_03WTC Capacitive touch	US\$22.33/PC



WTC:
Capacitive
Touch



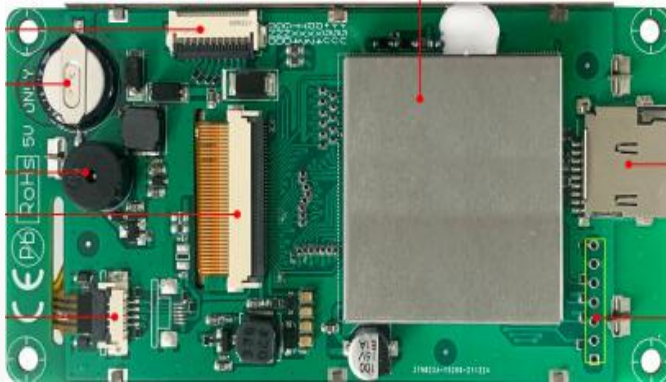
WTR:
Resistive
Touch



Size:	3.5 inch
Model Number:	DMG64480K035_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	640*480
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	70.08mm (W)×52.56mm (H)
Brightness(Nits):	150
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG64480K035_03WN No touch	US\$29.48/PC
DMG64480K035_03WTR Resistive touch	US\$31.24/PC
DMG64480K035_01WTC Capacitive touch	US\$39.27/PC



WTC:
Capacitive
Touch



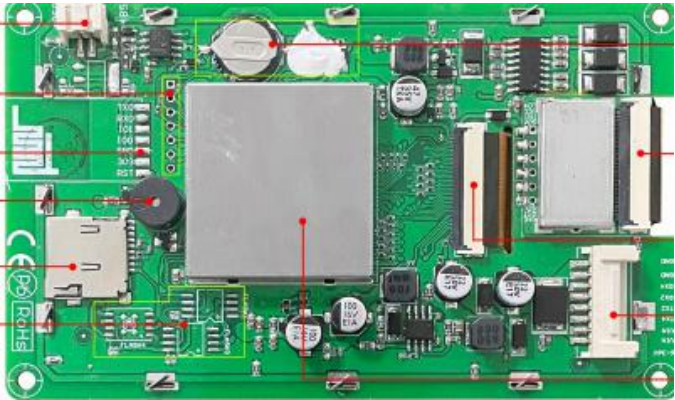
WTR:
Resistive
Touch



Size:	3.5 inch
Model Number:	DMG80480K035_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	480*800
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	45.36mm (W)×75.60mm (H)
Brightness(Nits):	250
Power Supply Voltage(V):	5V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files. Rewrite cycle: over 100,000 times
RTC:	Yes
Case:	No
User Interface:	10Pin_1.0mm latching socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG80480K035_03WN No touch	US\$29.48/PC
DMG80480K035_03WTR Resistive touch	US\$31.24/PC
DMG80480K035_01WTC Capacitive touch	US\$33.88/PC



WTC:
Capacitive
Touch



WTR:
Resistive
Touch



Size:	4.3 inch
Model Number:	DMG80480K043_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	480*800
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	93.60mm (W)×56.16mm (H)
Brightness(Nits):	250
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG80480K043_03WN No touch	US\$29.48/PC
DMG80480K043_03WTR Resistive touch	US\$33.0/PC
DMG80480K043_03WTC Capacitive touch	US\$39.27/PC



WTC:
Capacitive
Touch



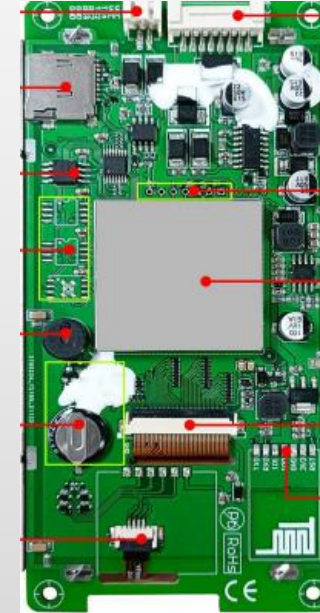
WTR:
Resistive
Touch



Size:	5 inch
Model Number:	DMG80480K050_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	800*480
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	108.0mm (W)×64.8mm (H)
Brightness(Nits):	300
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG80480K050_03WN No touch	US\$35.64/PC
DMG80480K050_03WTR Resistive touch	US\$39.27/PC
DMG80480K050_03WTC Capacitive touch	US\$48.18/PC



WTC:
Capacitive
Touch



WTR:
Resistive
Touch

Size:	5 inch
Model Number:	DMG85480K050_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	480*854
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	61.6mm (W)× 109.7mm (H)
Brightness(Nits):	350
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG85480K050_03WN No touch	US\$33.88/PC
DMG85480K050_03WTR Resistive touch	US\$37.51/PC
DMG85480K050_03WTC Capacitive touch	US\$46.42/PC



WTC:
Capacitive
Touch



WTR:
Resistive
Touch



Size:	5.6 inch
Model Number:	DMG64480K056_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	480*854
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	112.90mm (W)×84.67mm (H)
Brightness(Nits):	150
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG64480K056_03WN No touch	US\$62.37/PC
DMG64480K056_03WTR Resistive touch	US\$67.76/PC
DMG64480K056_03WTC Capacitive touch	US\$81.95/PC



WTC:
Capacitive
Touch



WTR:
Resistive
Touch



Size:	7 inch
Model Number:	DMG80480K070_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	800*480
Aspect Ratio:	4:3
LCD Type:	TN, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	154.08mm (W)×85.92mm (H)
Brightness(Nits):	350
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG80480K070_03WN No touch	US\$42.79/PC
DMG80480K070_03WTR Resistive touch	US\$48.07/PC
DMG80480K070_03WTC Capacitive touch	US\$56.98/PC



WTC:
Capacitive
Touch



WTR:
Resistive
Touch

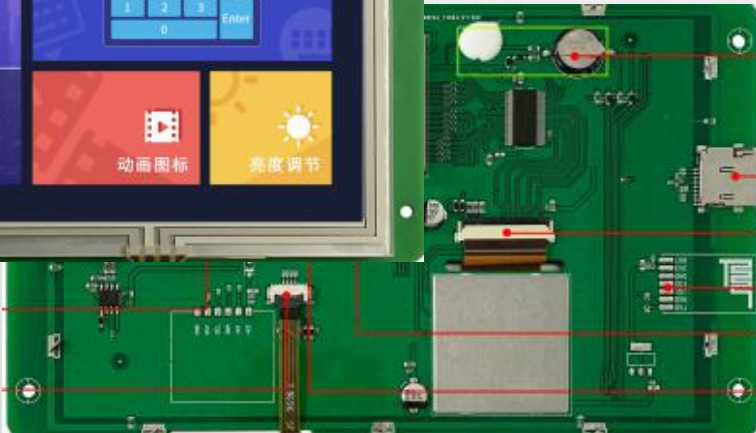
Size:	7 inch
Model Number:	DMG10600K070_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	1024*600
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	154.21mm (W)×85.92mm (H)
Brightness(Nits):	250
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG10600K070_03WN No touch	US\$46.31/PC
DMG10600K070_03WTR Resistive touch	US\$51.7/PC
DMG10600K070_03WTC Capacitive touch	US\$60.61/PC



WTC:
Capacitive
Touch

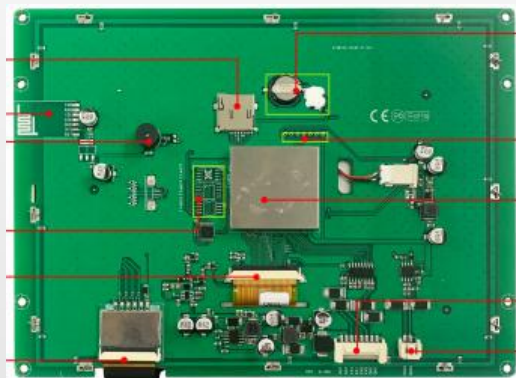
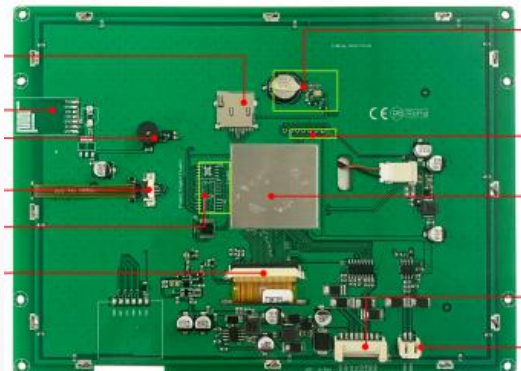


WTR:
Resistive
Touch



Size:	7 inch
Model Number:	DMG12800K070_03W
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	480*854
Aspect Ratio:	4:3
LCD Type:	IPS, TFT LCD
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	149.76mm (W)×93.60mm (H)
Brightness(Nits):	350
Power Supply Voltage(V):	12V DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MBytes NOR Flash, for fonts, pictures and audio files.
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication.
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG12800K070_03WN No touch	US\$121.11/PC
DMG12800K070_03WTR Resistive touch	US\$128.26/PC
DMG12800K070_03WTC Capacitive touch	US\$135.41/PC

WTR: Resistive Touch



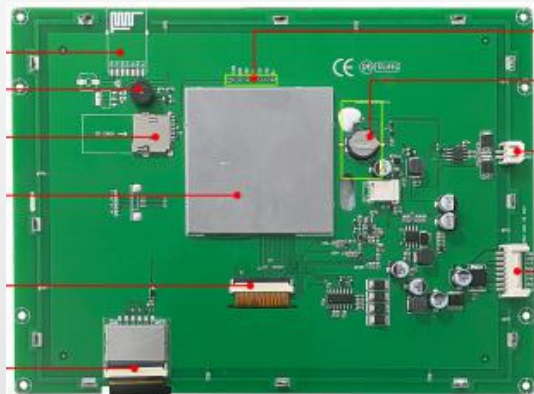
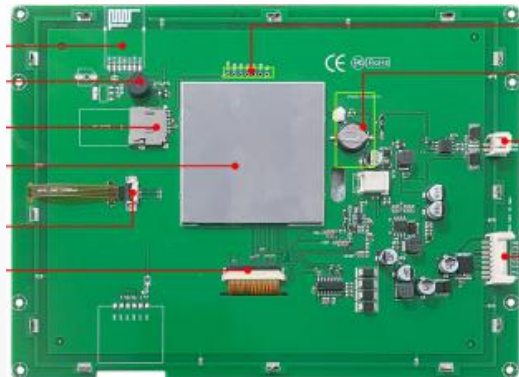
WTC: Capacitive Touch

Size:	8 inch
Model Number:	DMG80600K080_03
Drive IC:	DWIN self designed T5L1
Resolution (H*V):	800*600
Aspect Ratio:	16:9
LCD Type:	TN, Viewing anlge 70/70/50/70
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	162.00mm (W)× 121.50mm (H)
Brightness(Nits):	400
Power Supply Voltage(V):	12V 1A DC
Operating Tempreature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer

EWX Unit Price (USD)

DMG64360T030_01WN No touch	US\$58.85/PC
DMG64360T030_01WTR Resistive touch	US\$69.52/PC
DMG64360T030_01WTC Capacitive touch	US\$77.0/PC

WTR:
Resistive
Touch



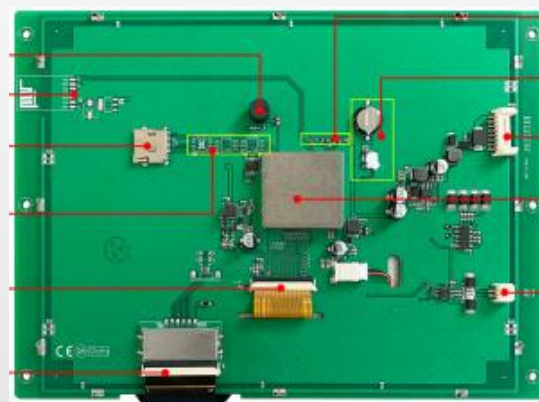
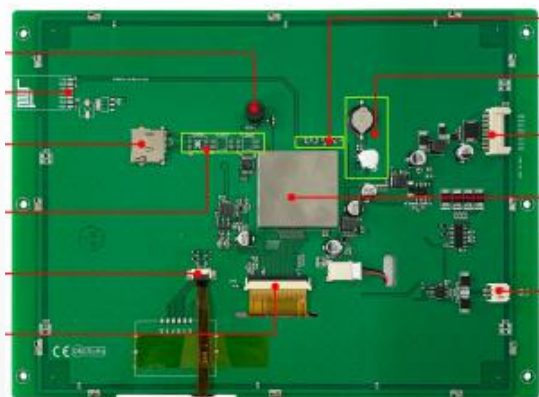
WTC:
Capacitive Touch

Size:	8 inch
Model Number:	DMG10768K080_03
Drive IC:	DWIN self designed T5L2
Resolution (H*V):	1024*768
Aspect Ratio:	16:9
LCD Type:	IPS, Viewing angle 85/85/85/85
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	162.00mm (W)×121.50mm (H)
Brightness(Nits):	700
Power Supply Voltage(V):	12V 1A DC
Operating Temperature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer

EWX Unit Price (USD)

DMG64360T030_01WN No touch	US\$66.0/PC
DMG64360T030_01WTR Resistive touch	US\$77.0/PC
DMG64360T030_01WTC Capacitive touch	US\$82.06/PC

WTR:
Resistive
Touch



WTC:
Capacitive Touch

Size:	9.7 inch
Model Number:	DMG10768K097_03
Drive IC:	DWIN self designed T5L2
Resolution (H*V):	1024*768
Aspect Ratio:	16:9
LCD Type:	TN, Viewing angle 70/70/50/70
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	196.61mm (W)×147.46mm (H)
Brightness(Nits):	300
Power Supply Voltage(V):	12V 1A DC
Operating Temperature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer

EWX Unit Price (USD)

DMG64360T030_01WN No touch	US\$80.3/PC
DMG64360T030_01WTR Resistive touch	US\$92.95/PC
DMG64360T030_01WTC Capacitive touch	US\$101.75/PC

WTR:
Resistive
Touch



WTC:
Capacitive Touch



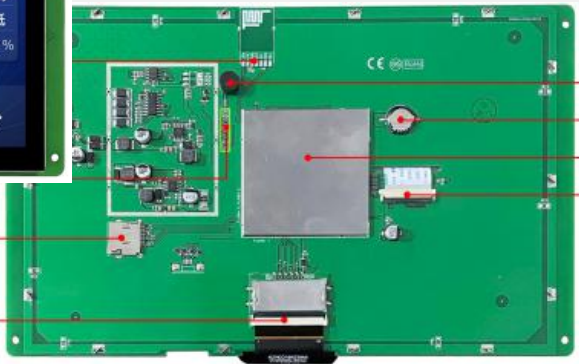
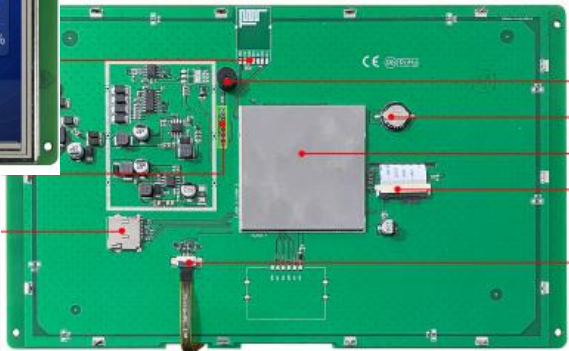
Size:	10.1 inch
Model Number:	DMG10600K101_03
Drive IC:	DWIN self designed T5L2
Resolution (H*V):	1024*600
Aspect Ratio:	16:9
LCD Type:	IPS, Viewing angle 85/85/85/85
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	222.72mm (W)×125.28mm (H)
Brightness(Nits):	300
Power Supply Voltage(V):	12V 1A DC
Operating Temperature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer

EWX Unit Price (USD)

DMG64360T030_01WN No touch	US\$73.15/PC
DMG64360T030_01WTR Resistive touch	US\$85.8/PC
DMG64360T030_01WTC Capacitive touch	US\$94.6/PC



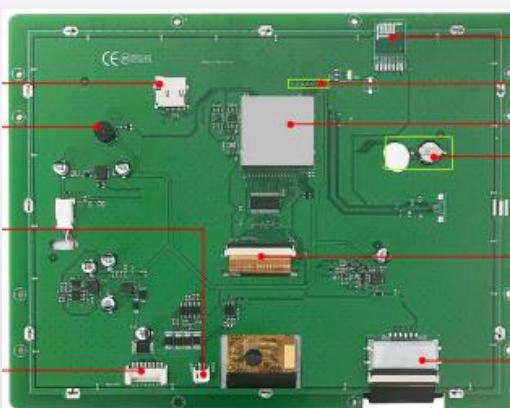
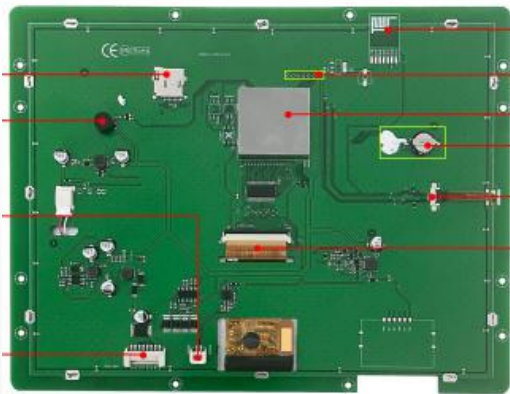
WTR:
Resistive
Touch



WTC:
Capacitive Touch

Size:	10.1 inch
Model Number:	DMG12800K101_03
Drive IC:	DWIN self designed T5L2
Resolution (H*V):	1280*800
Aspect Ratio:	16:9
LCD Type:	IPS, Viewing angle 85/85/85/85
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	216.96mm (W)× 135.60mm (H)
Brightness(Nits):	400
Power Supply Voltage(V):	12V 1A DC
Operating Temperature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG64360T030_01WN No touch	US\$108.9/PC
DMG64360T030_01WTR Resistive touch	US\$121.55/PC
DMG64360T030_01WTC Capacitive touch	US\$130.35/PC

**WTR:
Resistive
Touch**

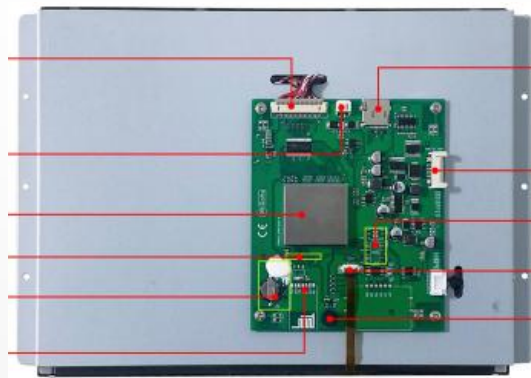


**WTC:
Capacitive Touch**

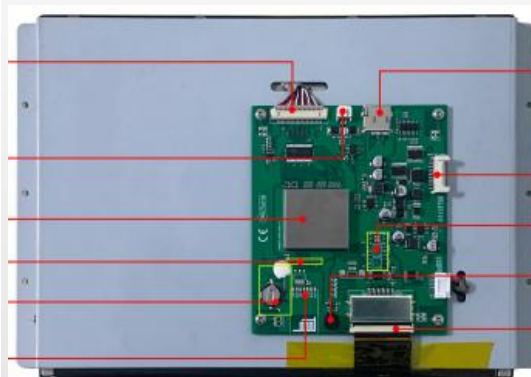
Size:	10.4 inch
Model Number:	DMG10768K104_03
Drive IC:	DWIN self designed T5L2
Resolution (H*V):	1024*768
Aspect Ratio:	16:9
LCD Type:	IPS, Viewing angle 85/85/85/85
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	211.20mm (W)×158.40mm (H)
Brightness(Nits):	300
Power Supply Voltage(V):	12V 1A DC
Operating Temperature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer
EWX Unit Price (USD)	
DMG64360T030_01WN No touch	US\$94.6/PC
DMG64360T030_01WTR Resistive touch	US\$105.6/PC
DMG64360T030_01WTC Capacitive touch	US\$117.7/PC



WTR:
Resistive
Touch



WTC:
Capacitive Touch

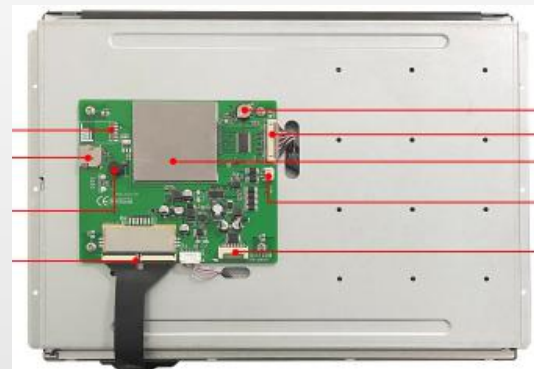
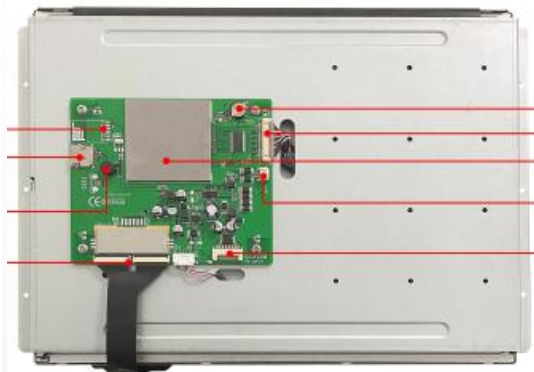


Size:	12.1 inch
Model Number:	DMG10768K121_03
Drive IC:	DWIN self designed T5L2
Resolution (H*V):	1024*768
Aspect Ratio:	16:9
LCD Type:	IPS, Viewing angle 85/85/85/85
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	246.00mm (W)×184.50mm (H)
Brightness(Nits):	500
Power Supply Voltage(V):	12V 1A DC
Operating Temperature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer

EWX Unit Price (USD)

DMG64360T030_01WN No touch	US\$192.5/PC
DMG64360T030_01WTR Resistive touch	US\$211.2/PC
DMG64360T030_01WTC Capacitive touch	US\$223.3/PC

WTR:
Resistive
Touch



WTC:
Capacitive Touch

Size:	15 inch
Model Number:	DMG10768K150_03
Drive IC:	DWIN self designed T5L2
Resolution (H*V):	1024*768
Aspect Ratio:	16:9
LCD Type:	IPS, Viewing angle 85/85/85/85
Touch Panel Type:	3 options: no touch / resistive touch / capacitive touch
Active Area (mm):	304.1mm (W)×228.1mm (H)
Brightness(Nits):	350
Power Supply Voltage(V):	12V 1A DC
Operating Temperature(°C):	-20/+70
Build-in Nand Flash:	16MB
RTC:	Yes
Case:	No
User Interface:	8Pin_2.0mm socket for power supply and serial communication
Remarks:	Buzzer

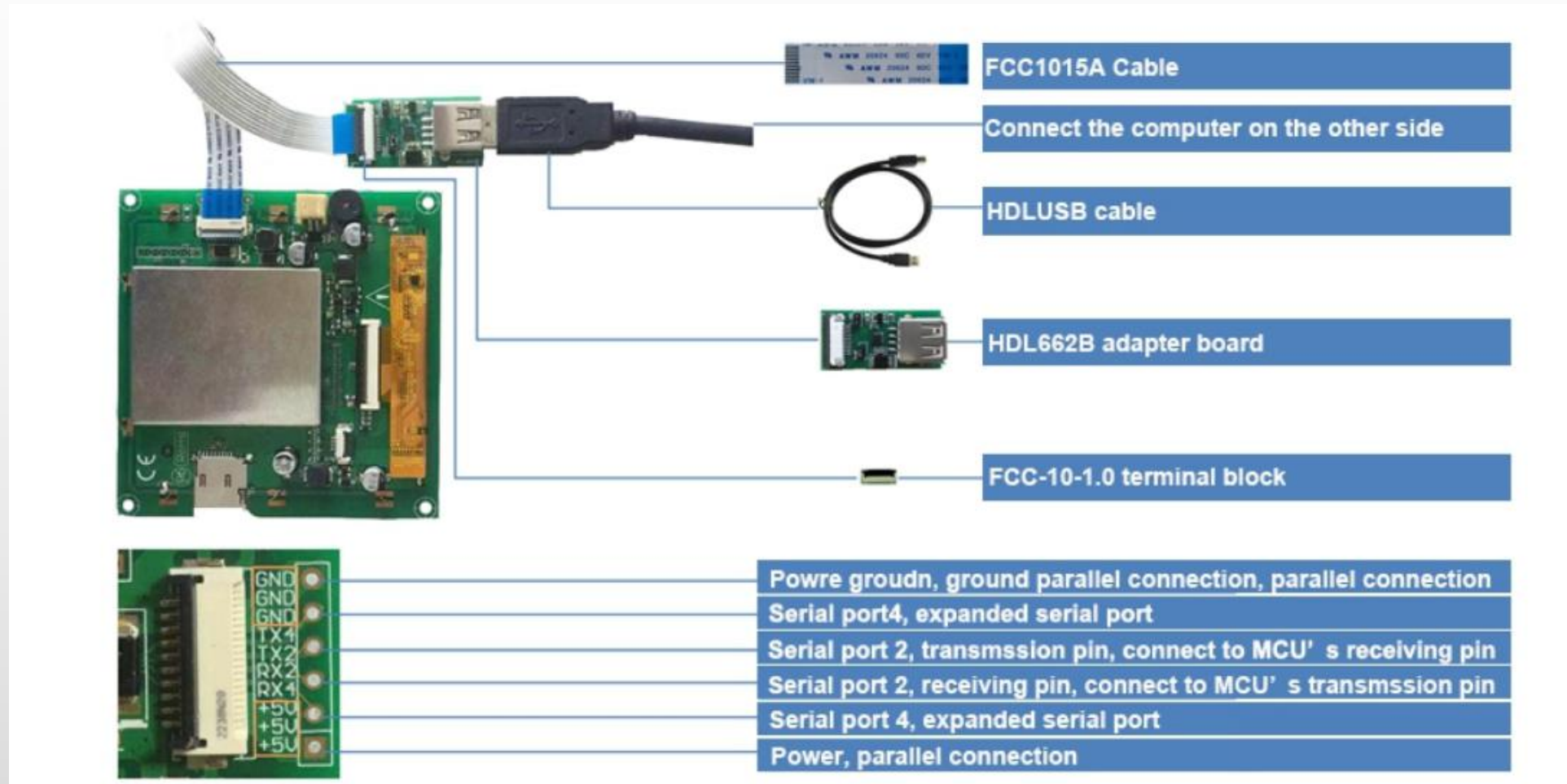
EWX Unit Price (USD)

DMG64360T030_01WN No touch	US\$169.4/PC
DMG64360T030_01WTR Resistive touch	US\$192.5/PC
DMG64360T030_01WTC Capacitive touch	US\$205.7/PC

Extra cables needed for debugging with PC or MCU of 10 pin interface LCD:

One-end of the different side FCC row line is connected to terminal block of the screen, and the other end is connected to the DWIN HDL662B adapter board, both blue side face up.

One-end of the double-male USB cable is connected to the adapter board, and the other end is connected to the computer for communication.



Extra cables needed for debugging with PC or MCU of 8 pin interface LCD:



SD card, use to download DWIN_SET project file
Small card can be pulled out from the tail

HDL65011 cable
Nine frame head for communication
Black terminal connected to power

HDL65013 cable connects screen to control board.
It can be used with terminal block after mass production

8PIN 2.0 terminal block, 2.0mm pin space,
can be welded on the control board



Power ground, ground parallel connection, parallel connection

RX3 expanded serial port

Serial port, receiving pin, connect to control board transmission pin

Serial port, transmission pin, connect to control board receiving pin

TX3, expanded serial port

Power, parallel connection

Support customizing for all below elements:

Customizable	Capacitive TP
Customizable	Resistive TP
Customizable	LCD brightness
Customizable	Communication interface
Customizable	Lead out IO/ADC/PWM peripheral interfaces
Customizable	PCB shape