DWIN TECHNOLOGIES

DWIN SMART
LCM SELECTION GUIDE

PROFESSIONAL, CREDITABLE, SUCCESSFUL **DWIN**

INTRODUCTION

Beiing Headquater	2003
Hunan Base	2013
Hunan Base Area	250,000 m²
Number of Employees	More than 1300
R&D and Sales	More than 700

WHY CHOOSE DWIN?

Overall Advantages

- **Industry Experience**

DWIN technologies was founded in 2003 at ZHONGGUANCUN, Beijing, Absolutely，DWIN has become the top supplier of LCMs in China. DWIN has set up regional marketing and application support in China as well as overseas countries such as Poland, Brazil and the United States.

- **Research and development capability**

DWIN Technology invests 30 percent of its profits in research and development each year, and owns hundreds of patents covering from ASIC architecture to application solutions.

- **Manufacture ability**

DWIN Technologies has built a manufacturing and service base whose total floor area 3is about 250,000 square meters Hunan. It covers the whole process production from glass cleaning, cutting, IC bonding, laminating and backlight assembly. The touch panel line with an capacity of 20K-30K piece per day.

Specific Advantages

- **Stable supply and price**

Establish long-term cooperation with the world's leading brands with direct supply.
(Note：standard model only, not applicable to customized service)

● Short delivery time

Shorten greatly the delivery time because of the mature industrial chain.E.g. some basic components are manufactured through cooperation with leading supplier in the park.

INTEGRATED SERVICE

Hunan Base has a science and technology park with a total construction area of 250,000 squaremeters, also DWIN has set up an LCD production line, CTP production line, RTP production line, glass cover production line, and OCA full bonding production line, SMT production line, injection line, assembly line, and material aging testing workshop, and development laboratory, etc. In addition, some core is supporting supplier directly on-site cooperation.

In Beijing, Guangzhou, Shenzhen, Suzhou, Hangzhou, Changsha, as well as South Korea, Poland, Brazil, the United States, and other countries and regions set up regional service stronghold, service tentacles all over the world.
About 300 people in customer service and after-sales team, one-to-one customer service, ensure that customers from the beginning of the purchase to the final problem solving, one-stop service.

More than 50,000 customers worldwide are using DWIN Technology's products

DWIN PRODUCT NAMING RULE

Take DMG80480T070_15W as An Example

Instruction	Product line code	Length	DWIN smart LCM product line
G	Color Code	1 Character	T=65K Color(16 bit) G=16.7M/262K Color(24bit/18bit)
80480	Resolution	5 Digits	24240=240*240 32240=320*240 48270=480*272 64360=640*360 64480=640*480 80480=800*480 85480=854*480 80600=800*600 10600=1024*600 10768=1024*768 1272 0=1280*720 12800=1280*800 13768=1364*768 or 1366*768 19108=1920*1080
T	Classification	1 Character	Y=Medical&Health Grade M/L=Consumer Grade C=Commerce Grade T=Industrial Grade K=Medical Grade Q=Automotive Grade S=Harsh Enviroment application F=COF
070	Size	3 Digits	015=1.5 inch 020=2.0 inch 024=2.4 inch 028=2.8 inch 030=3.0 inch 035=3.5 inch 040=4.0 inch 041=4.1 inch 043=4.3 inch 050=5.0 inch 056=5.6 inch 068=6.8 inch 070=7.0 inch 080=8.0 inch 088=8.8 inch 097=9.7 inch 101=10.1 inch 104=10.4 inch 116=11.6 inch 121=12.1 inch 150=15.0 inch 156=15.6 inch 185=18.5 inch 215=21.5 inch
-	-	-	Separator
1	Attribute Code	1 Digit or Character	0=Basic type 1=Basic type with a shell 2=Simulate video processing platform products 3=Android and Linux platform products 4=Digital video processing platform products A=DGUSII kernel product
5	Hardware ID	1 Digit	0-9 to distinguish between different hardware versions
W	LCD Temperature Grade	1 Character	N=Normal Temperature W=Wide Temperature
-	TP Category	1 or 2 Character	N=Without Touch Panel T=Touch Panel TR=Resistance Touch Panel TC=Capacitive Touch Panel
-	Custom Tag.	Z+ Number	Z01-Z99, Z**=ODM Product, **means 01-99, standard is blank
-	Extended Memory Mark	F+ Number	F0=512MB F1=1GB F2=2GB F3=3GB, standard is blank

Type	Abbreviation	Description
Shell	PS1	The plastic shell suitable for indoor use, it may be deformed due to excessive temperature or UV degradation damage when used outdoors.
	PS2	The plastic shell suitable for indoor and outdoor use, undeformed at high or low temperatures, and has UV protection.
	MS1	The embedded smart screen wrapped in a stainless steel iron frame has a structure similar to a bare screen.
	MS2	The aluminum alloy shell, suitable for both indoor and outdoor environments.
Display	TN	Normal viewing angle TN process TFT display, the viewing angle is 70/70/50/70 (L/R/U/D).
	EWTN	Wide viewing angle TN process TFT display, the viewing angle is 75/75/75/75 (L/R/U/D).
	IPS	IPS process TFT display, commonly known as hard screen, has high contrast, good color reproduction, and wide viewing angle (typical value is 85/85/85/85).
	SFT	SFT process TFT display, with high contrast, good color reproduction, wide viewing angle (typical value is85/85/85/85).
	OLED	The OLED display has the advantages of high contrast, high color reproduction, full viewing angle, high-speed display without smearing, etc. The disadvantages are high price, short life, and poor reliability.
Touch	R4	4-wire RTP
	R4AV	4-wire RTP with anti-glare and anti-UV, it suitable for outdoor use.
	CP	G+P low-cost CTP
	CG	G+G CTP, it can adjust the sensitivity of the front tempered glass or acrylic panel.
	CGAV	G+G CTP with anti-glare and anti-UV, suitable for outdoor use. The sensitivity can be adjusted with front tempered glass or acrylic panel.
RTC	BT	Use CR3220 or CR1220 lithium electronic battery as RTC backup power source, the battery needs to be replaced after the battery life is 1-5 years (depending on the battery and the use environment).
	FC	Using farad capacitors as RTC backup power supply, it can last for about 30 days after power failure, and there is no service life problem.
Storage	4M	The size of the built-in Nor Flash memory of the smart screen is 32Mbits (4Mbytes).
	8M	The size of the built-in Nor Flash memory of the smart screen is 64Mbits (8Mbytes).
	16M	The size of the built-in Nor Flash memory of the smart screen is 128Mbits (16Mbytes).
	1G	The size of the built-in Nor Flash memory of the smart screen is 1Gbits (128Mbytes).
	2G	The size of the built-in Nor Flash memory of the smart screen is 2Gbits (256Mbytes).
	4G	The size of the built-in Nor Flash memory of the smart screen is 4Gbits (512Mbytes).
	8G	The size of the built-in Nor Flash memory of the smart screen is 8Gbits (1Gbyits).
	16G	The size of the built-in Nor Flash memory of the smart screen is 16Gbits (2Gbyits).

Type	Abbreviation	Description
Brightness	A	Suffix A (for example, the selection mark is 500A) indicates that the maximum brightness of the backlight can be automatically adjusted with the change of the ambient brightness, which is mainly used for high-brightness products.
Interface	TTL	3.3V-5V level compatible with TTL/CMOS full-duplex UART interface, the highest rate is 16Mbps.
	232	A full-duplex UART interface that meets EIA232-F level specifications, 15KV ESK interface protection, and a maximum rate of 250kbps.
	TTL/232	3.3V-5V level compatible with TTL/CMOS/RS232 full-duplex UART interface, TTL (in-phase) or 232 (reverse) mode can be selected for each line, the maximum rate is 16Mbps.
	485	A half-duplex UART interface that meets EIA485-A level specifications, 15KV ESD interface protection, and a maximum rate of 10Mbps.
	232/485	Two level interfaces from a serial port, the inside line is together.
Development mode	TA	DWIN serial port instruction set UI development mode, typical operating platforms include M100/M600/K600/H600/K600+/T5UIC2, among which the L series supports high-quality music playback.
	TC	Condensed version of DWIN instruction set development mode (T5UIC1/C4) composed of a single T5 CPU.
	DGUS	DGUS UI development mode based on K600+ kernel, UI refresh cycle 200ms, support non-real-time DWIN OS.
	DGUSM	The simplified version of DGUS (Mini DGUS) UI development mode running on the ARM platform supports some functions of DWIN OS and is no longer recommended for new users.
	DGUSL	The high score simplified version of DGUS UI development mode running on T5 CPU does not support DWIN OS (T5UIC3 platform).
	DGUS II	DGUS UI development model based on DWIN T5L CPU, UI refresh cycle 40-60mS, high-quality music playback, DWIN OS real-time operation, typical platforms include T5UID1/D2/D3/D4.
Socket	10P10F	10Pin 1.0mm pitch FCC interface, convenient for mass production
	40P05F	40Pin 0.5mm pitch FCC interface
	6P25P	6Pin 2.54mm pitch straight plug socket
	8P25P	8Pin 2.51mm pitch straight plug socket
	8P20P	8Pin 2.0mm pitch patch socket
	6P38P	6Pin 3.81mm pitch phoenix terminal socket
	8P38P	8Pin 3.81mm pitch phoenix terminal socket
	10P51P	10Pin 5.08mm pitch terminal block

DWIN SMART LCM

Size	Resolution	Model	Display Type	Remark
2.0	320*240	DMG32240C020_03W	IPS	CTP, cost-effective
2.4	320*240	DMG32240C024_03W	TN	CTP&RTP, cost-effective
2.8	320*240	DMG32240F028_01W	TN	COF, EWTN
2.8	320*240	DMG32240C028_03W	TN	RTP&CTP
3.0	640*360	DMG64360K030_01W	IPS	High resolution
3.0	640*360	DMG64360T030_01W	IPS	The newly launched product with T5L0
3.5	320*240	DMG32240C035_03W	IPS	RTP&CTP
3.5	480*320	DMG48320C035_03W	IPS	RTP&CTP
3.5	480*320	DMG48320F035_01W	IPS	COF, WTC=Blcak WTCZ01=White WTCZ02=Integrated black
3.5	640*480	DMG64480T035_01W	IPS	The newly launched product
3.5	800*480	DMG80480T035_01W	IPS	The newly launched product
4.0	480*480	DMG48480C040_03W	IPS	RTP&CTP
4.0	480*480	DMG48480T040_01W	IPS	The newly launched product with T5L0
4.0	480*480	DMG48480F040_01W	IPS	COF, WTC=Blcak WTCZ01=White WTCZ02=Integrated black
4.0	800*480	DMG80480C040_03W	IPS	RTP&CTP
4.0	800*480	DMG80480T040_01W	IPS	The newly launched product with T5L0

Size	Resolution	Model	Display Type	Remark
4.1	720*720	DMG72720C041_03W	IPS	Incell
		DMG72720T041_06W	IPS	
4.3	480*272	DMG48270C043_03W	TN	RTP&CTP
		DMG48270C043_04W	TN	T5L0
		DMG48270F043_01W	TN	COF,TN/TV
4.3	480*272	DMG48270C043_15W	TN	With shell
	800*480	DMG80480C043_01W	IPS	RTP&CTP, cost-effective screen
		DMG80480T043_01W	IPS	The newly launched product uses the T5L0 chip
		DMG80480C043_06W	IPS	COF
		DMG80480F043_04W	IPS	COF, WTC=Blcak WTCZ01=White WTCZ02=Integrated black
		DMG80480T043_09W	IPS	UV protection
		DMG80480T043_A5W	IPS	With shell
5.0	800*480	DMG80480C050_04W	IPS	T5L0
		DMG80480C050_03W	TN	RTP&CTP
		DMG80480T050_A5W	IPS	With shell
		DMG80480T050_02W	IPS	The newly launched product with T5L0
		DMG80480T050_09W	IPS	UV protection
	850*480	DMG85480F050_01W	IPS	COF, WTC=Blcak WTCZ01=White WTCZ02=Integrated black
		DMG85480C050_03W	IPS	RTP&CTP
	1280*720	DMG12720C050_03W	IPS	Incell
		DMG12720T050_06W	IPS	Incell

Size	Resolution	Model	Display Type	Remark
5.0	1280*720	DMG12720T050_01W	IPS	T5L2 , Incell
5.6	640*480	DMG64480C056_03W	TN	RTP&CTP
		DMG64480T056_01W	TN	The newly launched product,with T5L
7.0	800*480	DMG80480Y070_01N	TN-TV	Cost-effective medical & beauty
		DMG80480Y070_02N	TN-TV	
		DMG80480F070_01W	TN	COF,TN/TV
		DMG80480L070_01W	TN	T5L TA mode, RTP, cost-effective
		DMG80480C070_04W	TN	T5L0
		DMG80480C070_03W	TN	RTP&CTP
		DMG80480C070_15W	TN	With shell
		DMG80480T070_15W	TN	With shell
		DMG80480T070_A5W	TN	With shell
		DMG80480T070_05W	EWTN	The newly launched product,with T5L0
		DMG80480T070_09W	TN	UV protection
7.0	1024*600	DMG10600C070_03W	IPS	Cost-effective
		DMG10600T070_A5W	IPS	With shell
		DMG10600T070_01W	IPS	The newly launched product, with T5L2
		DMG10600T070_09W	IPS	UV protection
	1280*800	DMG12800T070_01W	IPS	The newly launched product,with T5L2

Size	Resolution	Model	Display Type	Remark
8.0	1024*768	DMG10768C080_03W	IPS	RTP&CTP
		DMG10768T080_01W	IPS	The newly launched product,with T5L2
	1280*800	DMG12800T080_01W	IPS	
8.8	1920*480	DMG19480C088_03W	IPS	RTP&CTP
		DMG19480T088_01W	IPS	The newly launched product,with T5L2
9.7	1024*768	DMG10768C097_03W	EWTN	RTP&CTP
		DMG10768T097_01W	TN	The newly launched product,with T5L2
10.1	1024*600	DMG10600Y101_01N	TN-TV	DWIN Beauty&medical cost reduction program
		DMG10600C101_03W	IPS	RTP&CTP
		DMG10600Y101_01N	TN-TV	DWIN Beauty&medical cost reduction program
		DMG10600C101_15W	TN	With shell
		DMG10600T101_01W	IPS	The newly launched product,with T5L2
		DMG10600T101_09W	IPS	UV protection
	1280*800	DMG12800L101_01W	IPS	RTP&CTP, cost-effective screen
		DMG12800T101_01W	IPS	RTP&CTP
8.0	800*600	DMG80600Y080_01NR	TN-TV	DWIN Beauty&medical cost reduction program
		DMG80600Y080_02NR	TN-TV	
		DMG80600L080_01W	TN	RTP
		DMG80600C080_03W	TN	RTP&CTP
		DMG80600T080_02W	EWTN	The newly launched product, with T5L1
		DMG80600T080_09W	TN	UV protection
		DMG80600Y080_01NR	TN-TV	DWIN Beauty&medical cost reduction program
		DMG80600Y080_02NR	TN-TV	

Size	Resolution	Model	Display Type	Remark
10.4	800*600	DMG80600T104_01W	TN	The newly launched product,with T5L1
		DMG80600C104_03W	TN	RTP&CTP
	1024*768	DMG10768T104_01W	IPS	The newly launched product,with T5L1
	1024*768	DMG10768T104_09W	IPS	UV protection
		DMG10768C104_03W	IPS	RTP&CTP
11.6	1920*1080	DMG19108C116_02W	IPS	CTP
		DMG19108C116_03W	IPS	AIOT LCM
12.1	800*600	DMG80600Y121_01N	TN-TV	DWIN medical beauty, cost-effective TN screen
		DMG80600C121_03W	EWTN	RTP&CTP
		DMG80600T121_01W	TN	RTP&CTP
	1024*768	DMG10768T121_01W	IPS	RTP&CTP
	1280*800	DMG12800C121_02W	EWTN	CTP
15.0	1024*768	DMG10768Y150_01N	TN-TV	DWIN medical beauty, cost-effective TN screen
		DMG10768C150_03W	EWTN	RTP
		DMG10768T150_01W	IPS	RTP&CTP
15.6	1364*768	DMG13768C156_03W	TN	CTP
	1920*1080	DMG19108C156_03W	IPS	RTP&CTP
		DMG19108C156_02W	IPS	CTP
18.5	1364*768	DMG13768C185_03W	EWTN	CTP
21.5	1920*1080	DMG19108C215_02W	IPS	CTP
		DMG19108C215_03W	IPS	AIoT LCM

ANDROID

Size	Resolution	Model	Display Type	Remark
7.0	1024*600	DMG10600T070-34WTC	IPS	Android system, CTP
7.0	1280*800	DMG12800T070-34WTC	IPS	

LINUX

Size	Resolution	Model	Display Type	Remark
7.0	1024*600	DMT10600T070_37WTC	IPS	An industrial Linux system intelligent LCM launched by DWIN based on AM3352
10.1	1280*800	DMT12800T101_37WTC	IPS	

VIDEO SCREEN

Size	Resolution	Model	Display Type	Remark
7.0	800*480	DMT80480T070_25W	TN	Analogue video
	800*480	DMT80480T070_41W	TN	Digital video
	1024*600	DMG10600C070_25W	IPS	Analogue video
8.0	800*600	DMT80600T080_25W	TN	
	800*600	DMT80600T080_41W	TN	Digital video
10.1	800*600	DMG80600T104_41W	TN	
	1024*600	DMG10600T101_41W	IPS	
10.4	1024*768	DMG10768T104_41W	IPS	
15.0	1024*768	DMG10768T150_41W	IPS	

DWIN ALL WITH SHELL, COF

● LCM with shell

DMG80480T043_A5W   DMG80480T050_A5W   DMG80480C070_15W
DMG80480T070_15W   DMG80480T070_A5W   DMG10600T070_A5W
DMG10600C101_15W   DMG10600T101_A5W

● LCM with metal shell

DMG72720T041_06W   DMG12720T050_06W

● COF

DMG32240F028_01W   DMG48320F035_01W   DMG48480F040_04W
DMG48270F043_01W   DMG80480F043_01W   DMG80480C043_06W
DMG85480F050_01W   DMG80480F070_01W   DMG80480C070_06W

UART LCM

2 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
2.0	DMG32240C020_03W	Commercial	320*240	300nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	***

2.4 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
2.4	DMG32240C024_03W	Commercial	320*240	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	***

▌2.8 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
2.8	DMG32240C028_03W	Commercial	320*240	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	***
2.8	DMG32240F028_01W	COF	320*240	200nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	TN	***

▌3 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
3.0	DMG64360T030_01W	Industry	640*360	250nit	5V	TTL 10Pin-1.0FCC	IPS	R4
3.0	DMG64360K030_01W	Medical	640*360	300nit	4.5V-5.5V	TTL 10Pin-1.0FCC	IPS	R4/CG
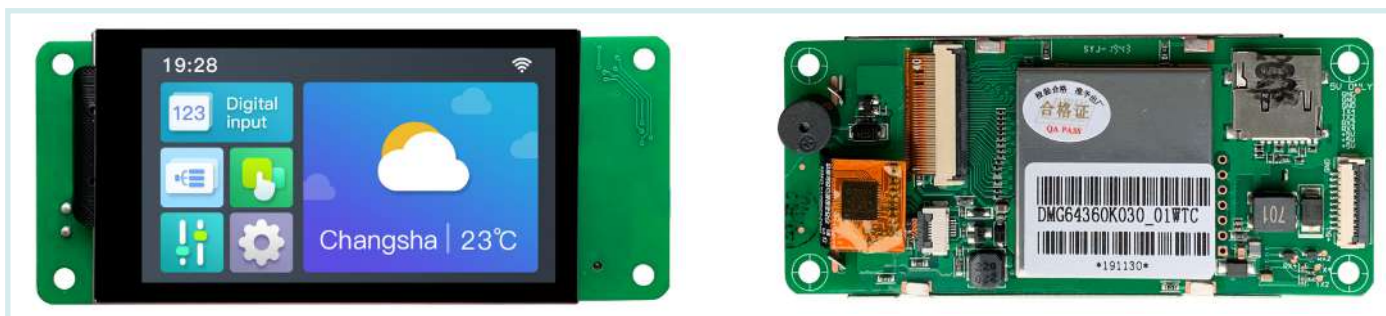
3.5 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
3.5	DMG48320C035_03W	Commercial	480*320	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4/CG
3.5	DMG48320F035-01W	COF	480*320	300nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
3.5	DMG64480T035_01W	Industrial	640*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4
3.5	DMG80480T035_01W	Industrial	640*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4

4 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.0	DMG80480C040_03W	Commercial	800*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4/CG
4.0	DMG48480C040_03W	Commercial	480*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4/CG
4.0	DMG48480F040_01W	COF	480*480	300nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
4.0	DMG80480T040_01W	Industrial	800*480	350nit	6V-36V	TTL 8Pin_2.0	IPS	R4
4.0	DMG48480T040_01W	Industrial	480*480	250nit	6V-36V	TTL 8Pin_2.0	IPS	R4

4.1 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.1	DMG72720C041_03W	Commercial	720*720	250nit	4.5V-5.5V	TTL 10 Pin_1.0 FCC	IPS	Incell
4.1	DMG72720T041_06W	Industrial	720*720	400nit	7V-15V	TTL FCC50_0.5 mm	IPS	Incell
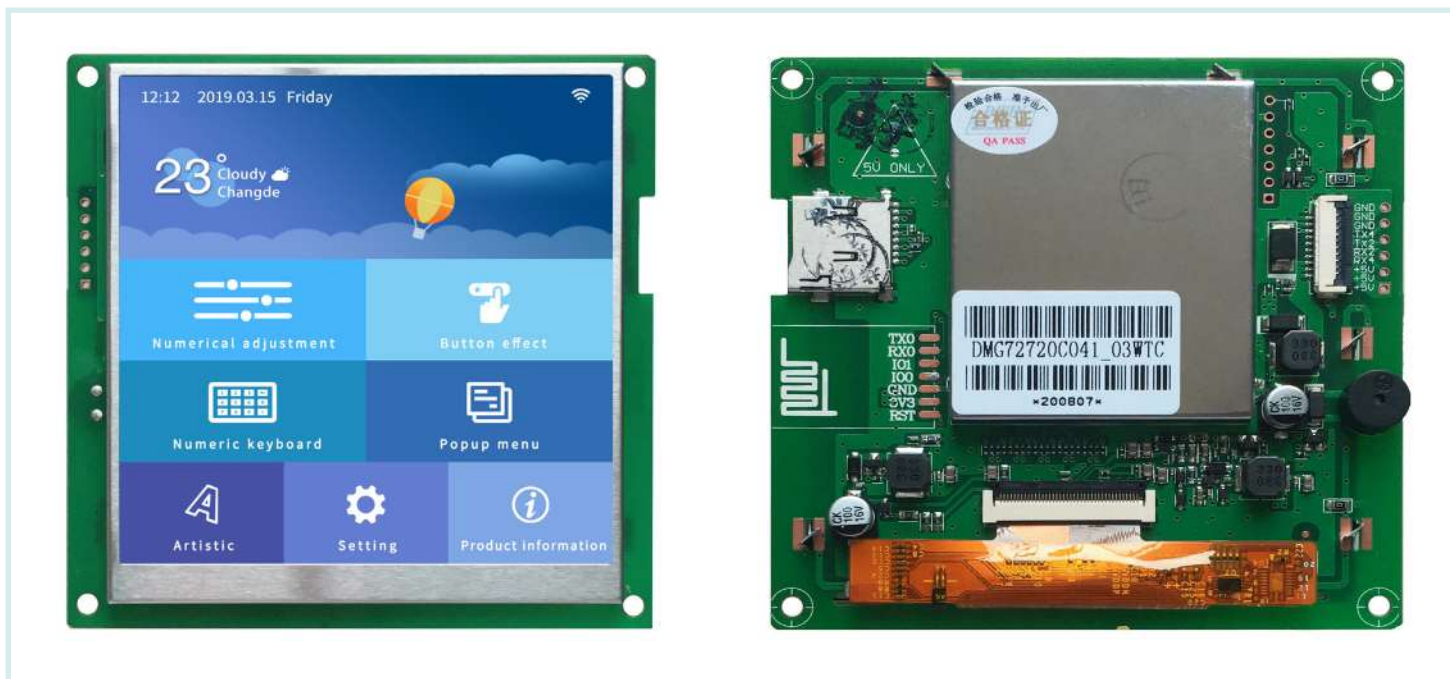
4.3 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.3	DMG48270C043_03W	Commercial	480*272	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	R4/CG
4.3	DMG48270F043_01W	COF	480*272	200nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	TN/TV	***
4.3	DMG80480F043_01W	COF	800*480	280nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
4.3	DMG80480T043_01W	Industrial	800*480	250nit	6V-36V	TTL 8Pin_2.0	IPS	R4
4.3	DMG80480T043_09W	Industrial	800*480	900nit	6V-36V	TTL 8Pin_2.0	IPS	R4
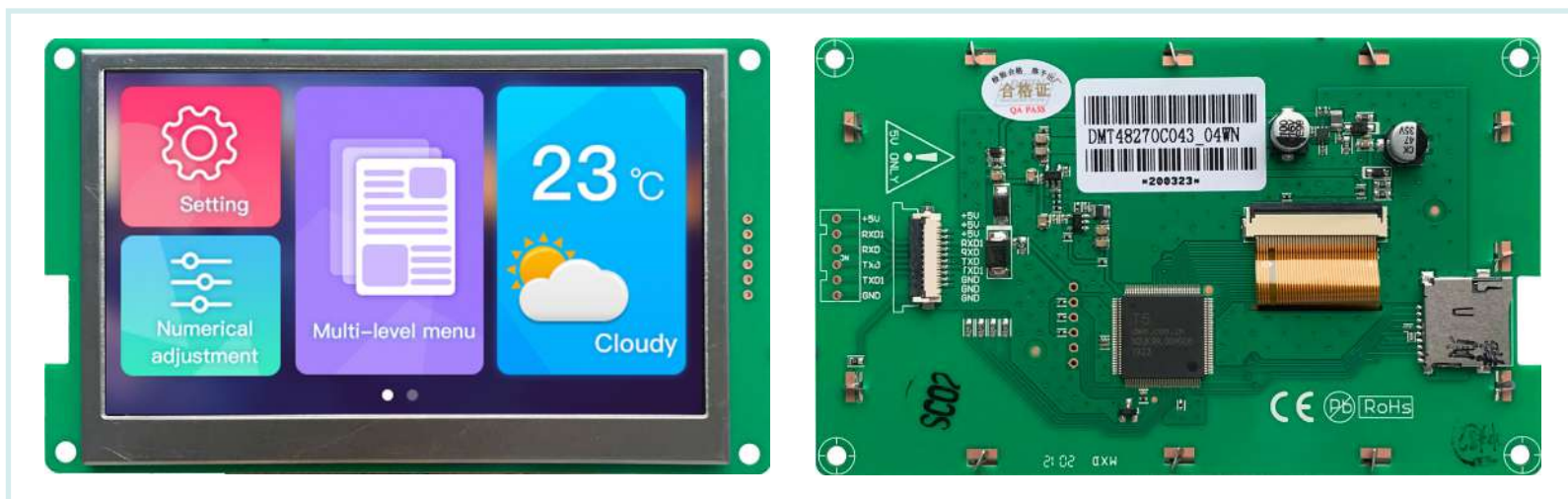
4.3 INCH

● Outdoor APPLICATION

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.3	DMG48270C043_04W	Commercial	480*272	300nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	TN	R4
4.3	DMG80480T043_A5W	Industrial	800*480	200nit	6V-36V	232/485 8Pin_3.81	IPS	R4
DMG48270C043_04W shell can be added, and also a cost reduction plan.								

● High Resolution

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.3	DMG80480C043_01W	Commercial	800*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4/CG
4.3	DMG80480C043_02W	Commercial	800*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4/CG
4.3	DMG80480C043_06W	Commercial	800*480	300nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4
4.3	DMG48270C043_15W	Industrial	480*272	250nit	5V	RS232/485 8Pin_2.0	TN/TV	R4

5 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
5.0	DMG80480C050_03W	Commercial	800*480	250nit	4.5V-5.5V	TTL 232 10Pin_1.0 FCC	TN	R4/CG
5.0	DMG85480C050_03W	Commercial	850*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4/CG
5.0	DMG12720C050_03W	Commercial	1280*720	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	Incell
5.0	DMG85480F050_01W	COF	850*480	400nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
5.0	DMG12720T050_06W	Industrial	1280*720	270nit	8V-15V	TTL FCC50_0.5 mm	IPS	Incell
5.0	DMG80480T050_02W	Industrial	800*480	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
5.0	DMG80480T050_09W	Industrial	800*480	900nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
5.0	DMG12720T050_01W	Industrial	1280*720	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	Incell
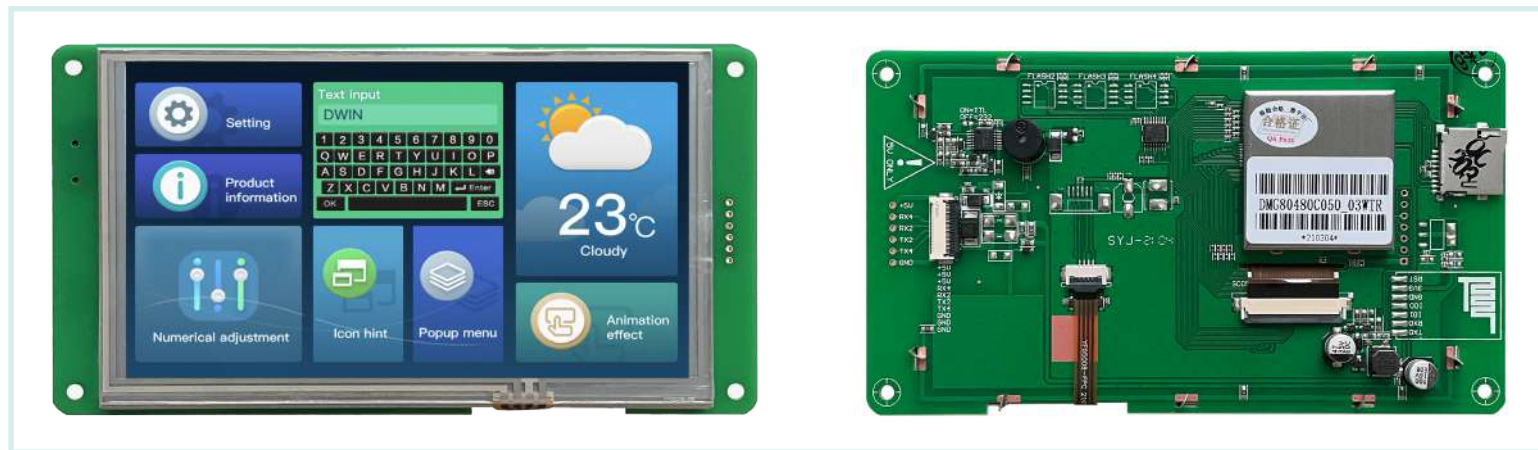
5 INCH

● 5 Inch Smart Screen with shell

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
5.0	DMG80480C050_04W	Commercial	800*480	300nit	4.5V-5.5V	TTL 232 10Pin_1.0 FCC	IPS	R4
5.0	DMG80480T050_A5W	Industrial	800*480	250nit	6V-36V	232/485 8Pin_3.81	IPS	R4
DMG80480C050_04W shell can be added, and also a cost reduction plan.								

5.6 INCH

● Outdoor Use With shell

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
5.6	DMG64480C056_03W	Commercial	640*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	R4/CG
5.6	DMG64480T056_01W	Industrial	640*480	160nit	6V-36V	TTL/232 8Pin_2.0	TN	R4

7 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
7.0	DMG80480L070_01W	Consumer	800*480	250nit	6V-15V	TTL/232 8Pin_2.0	TN	R4
7.0	DMG80480C070_03W	Commercial	800*480	250nit	4.5V-5.5V	TTL/232 8Pin_2.0	TN	R4/CG
7.0	DMG10600C070_03W	Commercial	1024*600	250nit	4.5V-5.5V	TTL/232 8Pin_2.0	IPS	R4/CG
7.0	DMG80480T070_05W	Industrial	800*480	250nit	6V-36V	TTL/232 8Pin_2.0	EWTN	R4
7.0	DMG80480T070_09W	Industrial	800*480	900nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
7.0	DMG10600T070_01W	Industrial	1024*600	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
7.0	DMG10600T070_09W	Industrial	1024*600	900nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
7.0	DMG12800T070_01W	Industrial	1280*800	230nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
7.0	DMG80480F070_01W	COF	800*480	250nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	TN	***
7.0	DMG80480S070_03W	Harsh Enviroment	800*480	1200nit	7V-36V	232/485/CAN 10Pin_3.81	IPS	R4

7 INCH

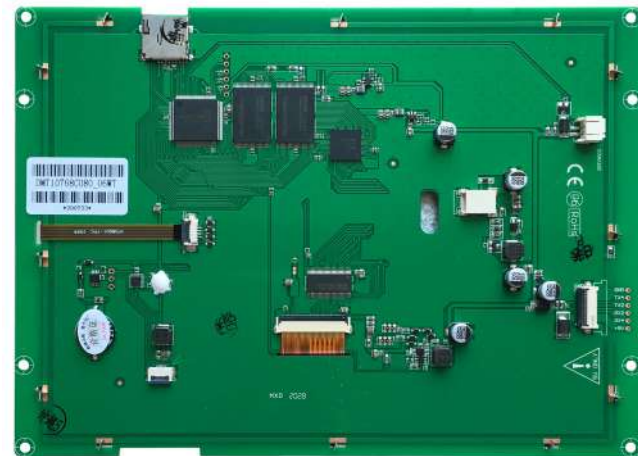With shell High Resolution 7 Inch Industrial Smart Screen

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
7.0	DMG80480C070_04W	Commercial	800*480	250nit	4.5V-5.5V	TTL 232 10Pin_1.0 FCC	TN	R4
7.0	DMG80480T070_15W	Industrual	800*480	250nit	7V-36V	232/485 8Pin_3.81	TN	R4
7.0	DMG80480C070_15W	Industrual	800*480	200nit	5V	232/480 8Pin_2.0	TN/TV	R4
7.0	DMG80480T070_A5W	Industrial	800*480	250nit	7V-36V	232/485 8Pin_3.81	TN	R5
7.0	DMG10600T070_A5W	Industrial	1024*600	300nit	7V-36V	232/485/CAN	IPS	R5/CG
7.0	DMG80480S070_03W	Harsh Enviroment	800*480	1200nit	7V-36V	232/485/CAN 10Pin_3.81	IPS	R4
DMG80480C070_04W shell can be added, and also cost-effective solution.								

8 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
8.0	DMG80600L080_01W	Consumer	800*600	250nit	6V-15V	TTL/232 8Pin_2.0	TN	R4
8.0	DMG80600C080_03W	Commercial	800*600	250nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	TN	R4/CG
8.0	DMG10768C080_03W	Commercial	1024*768	250nit	4.5V-5.5V	TTL 10Pin-1.0 FCC	IPS	R4/CG
8.0	DMG80600T080_02W	Industrial	800*600	320nit	6V-36V	TTL/232 8Pin_2.0	EWTN	R4
8.0	DMG80600T080_09W	Industrial	800*600	900nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
8.0	DMG12800T080_01W	Industrial	1280*800	200nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
8.0	DMG10768T080_01W	Industrial	1024*768	220nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4

8.8 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
8.8	DMG19480C088_03W	Commercial	1920*480	250nit	6V-15V	TTL/232 8Pin_2.0	IPS	R4/CG
8.8	DMG19480T088_01W	Industrial	1920*480	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4

9.7 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
9.7	DMG10768C097_03W	Commercial	1024*768	250nit	6V-15V	TTL/232 8Pin_2.0	EWTN	R4/CG
9.7	DMG10768T097_01W	Industrial	1024*768	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4

10.1 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
10.1	DMG12800L101_01W	Consumer	1280*800	250nit	6V-15V	TTL/232 8Pin_2.0	IPS	R4
10.1	DMG10600C101_03W	Commercial	1024*600	250nit	6V-15V	TTL/232 8Pin_2.0	IPS	R4/CG
10.1	DMG10600C101_15W	Commercial	1024*600	235nit	6V-36V	232/485 8Pin_2.0	TN/TV	R4
10.1	DMG10600T101_01W	Industrial	1024*600	220nit	6V-36V	232/485 8Pin_2.0	IPS	R4
10.1	DMG10600T101_09W	Industrial	1024*600	900nit	6V-36V	232/485 8Pin_2.0	IPS	R4
10.1	DMG12800T101_01W	Industrial	1280*800	400nit	6V-36V	232/485 8Pin_2.0	IPS	R4

10.4 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
10.4	DMG80600C104_03W	Commercial	800*600	250nit	6V-15V	TTL/232 8Pin_2.0	TN	R4/CG
10.4	DMG10768C104_03W	Commercial	1024*768	350nit	7V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
10.4	DMG80600T104_01W	Industrial	800*600	280nit	6V-36V	TTL/232 8Pin_2.0	TN	R4
10.4	DMG10768T104_01W	Industrial	1024*768	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
10.4	DMG10768T104_09W	Industrial	1024*768	900nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4

11.6 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
11.6	DMG19108C116_02W	Commercial	1920*1080	250nit	12V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
11.6	DMG19108C116_03W	Commercial	1920*1080	250nit	12V-36V	TTL/232 8Pin_2.0	IPS	R4/CG

12.1 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
12.1	DMG80600C121_03W	Commercial	800*600	300nit	12V-36V	TTL/232 8Pin_2.0	TN	R4/CG
12.1	DMG12800C121_02W	Commercial	1280*800	450nit	12V-36V	TTL/232 8Pin_2.0	EWTN	CG
12.1	DMG80600T121_01W	Industrial	800*600	300nit	12V-36V	TTL/232 8Pin_2.0	TN	R4/CG
12.1	DMG10768T121_01W	Industrial	1024*768	300nit	9V-36V	232/TTL 8Pin_2.0	IPS	R4

15 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
15.0	DMG10768C150_03W	Commercial	1024*768	300nit	12V-36V	TTL/232 8Pin_2.0	EWTN	R4/CG
15.0	DMG10768T150_01W	Industrial	1024-768	300nit	12V-36V	TTL/232 8Pin_2.0	IPS	R4/CG

15.6 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
15.6	DMG13768C156_03W	Commercial	1364*768	250nit	12V-36V	TTL/232 8Pin_2.0	TN	CG
15.6	DMG19108C156_03W	Commercial	1920*1080	250nit	12V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
15.6	DMG19108C156_02W	Commercial	1920*1080	250nit	12V-36V	TTL/232 8Pin_2.0	IPS	CG

18.5 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
18.5	DMG13768C185_03W	Commercial	1364*768	250nit	12V-36V	TTL/232 8Pin_2.0	EWTN	CG

21.5 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
21.5	DMG19108C215_02W	Commercial	1920*1080	250nit	12V-36V	TTL/232 8Pin_2.0	IPS	R5/CG
21.5	DMG19108C215_03W	Commercial	1920*1080	250nit	12V-36V	TTL/232 8Pin_2.0	IPS	R5/CG

BEAUTY GRADE

Size	Model	Resolution	Brightness	Power Voltage	Interface	Display Type	Feature
7.0	DMG80480Y070_01N	800*480	180nit	7V-15V	TTL/232 8Pin_2.0	TN-TV	T5L ASIC, standard instruction set (TA) / DGUS II system, cost–effective screen
	DMG80480Y070_02N	800*480	180nit	7V-15V	TTL/232 8Pin_2.0	TN-TV	T5L ASIC, use T5L0 chip,and the factory default is TA system
8.0	DMG80600Y080_01NR	800*600	200nit	7V-15V	TTL/232 8Pin_2.0	TN-TV	T5L ASIC, standard instruction set (TA) / DGUS II system, cost–effective screen
	DMG80600Y080_02NR	800*600	200nit	7V-15V	TTL/232 8Pin_2.0	TN-TV	T5L ASIC, use T5L0 chip, only support TA system
10.1	DMG10600Y101_01N	1024*600	280nit	5V	TTL/232 8Pin_2.0	TN-TV	T5L ASIC, standard instruction set (TA) / DGUS II system, cost–effective screen
12.1	DMG80600Y121_01N	800*600	200nit	7V-15V	TTL/232 8Pin_2.0	TN	
15.0	DMG10768Y150_01N	1024*768	165nit	7V-36V	TTL/232 8Pin_2.0	TN	

UART LCM

ANDROID

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	Display Type	Function
7.0	DMG10600T070-34WTC	Android	1280*800	300nit	7V-36V	232/485 10Pin_3.81	IPS	SIM Card&SD Card Interface,WIFI and Antenna,Speaker and Microphone,Ethernet,Headphone
7.0	DMG12800T070-34WTC	Android	1280*800	300nit	7V-36V	232/485 10Pin_3.81	IPS	SIM Card&SD Card Interface,WIFI ,and Antenna,Speaker and Microphone,Ethernet,Headphone

LINUX

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	Display Type	Function
7.0	DMT10600T070_37WTC	Linux	1024*600	250nit	6V-36V	232 2Pin_3.81,DB9 Interface	IPS	Built - in RTC, Ethernet, USB camera, USB laser scanner or code scanning gun,USB or Ethernet printer
10.1	DMT12800T101_37WTC	Linux	1280*800	250nit	6V-36V	232 2Pin_3.81,DB9 Interface	IPS	Built - in RTC, Ethernet, USB camera, USB laser scanner or code scanning gun,USB or Ethernet printer

COF

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	Display Type	Function
2.8	DMG32240F028_01W	COF	320*240	200nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	TN	***
3.5	DMG48320F035_01W	COF	480*320	300nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
4.0	DMG48480F040_01W	COF	480*480	300nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
4.3	DMG48270F043_01W	COF	480*270	200nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	TN/TV	***
	DMG80480F043_01W	COF	800*480	280nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
	DMG80480C043_06W	COF	800*480	300nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	R4
5.0	DMG85480F050_01W	COF	850*480	400nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	***
7.0	DMG80480C070_06W	COF	800*480	200nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	R4
	DMG80480F070_01W	COF	800*480	250nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	TN	***

MULTIMEDIA

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	Display Type	Function
7.0	DMG10600C070_25W	Video Screen	1024*600	250nit	6V-36V	232/TTL 8Pin_2.54	IPS	Buzzer, AHD camera, Built - in RTC
10.1	DMG10600T101_41W	Video Screen	1024*600	200nit	7V-36V	232/TTL 8Pin_2.54	IPS	Speaker,Music play,USB camera,Viedo play,Buzzer
	DMG80600T104_41W	Video Screen	800*600	300nit	7V-36V	232/TTL 8Pin_2.54	TN	Speaker,Music play,USB camera,Viedo play,Buzzer
10.4	DMG10768T104_41W	Video Screen	1024*768	250nit	7V-36V	232/TTL 8Pin_2.54	IPS	Speaker,Music play,USB camera,Viedo play,Buzzer
15.0	DMG10768T150_41W	Video Screen	1024*768	250nit	12V-36V	232/TTL 8Pin_2.54	IPS	Speaker,Music play,USB camera,Viedo play,Buzzer

THERMOSTAT

Size	Model	Type	Resolution	Power Voltage	Interface	Display Type	Shell
2.8	TR028C11 U/W 04		320*240	220V	4 relay+485 11pin_5.08	TN	Standard 86 shell
3.5	TC035C11 U/W 04		320*240	220V	4 relay+485 11pin_5.08	IPS	Standard 86 shell
3.5	TC035C21 U/W 04		480*320	220V	4 relay+485 11pin_5.08	TN	Standard 86 shell
	TC035C13 U/W 05	Thermostat	320*240	220V	3 relay+2PWM+485 11pin_5.08	IPS	Standard 86 shell
4.0	TC040C11 U/W 04		480*480	220V	4 relay+485 11pin_5.08	IPS	Standard 86 shell
4.0	TC040C14 U/W 04		480*480	220V	4 relay+485 11pin_5.08	IPS	Standard 86 shell
4.1	TC041C11 U/W 04		720*720	220V	4 relay+485 11pin_5.08	Incell	Standard 86 shell

● The thermostat refers to the 220V power supply on the back panel, with three relays and one normally open normally closed relay, which can be directly used for the fan coil thermostat.

● The fresh air controller means that the backplane is 220v power supply, with three relays and two PWM interfaces, which can directly control three-speed AC fans and EC fans.

Size	Model	Type	Resolution	Power Voltage	Interface	Display Type	Shell
2.8	TR028C12 U/W 00		320*240	6-36V	485 4pin_2.54	TN	Self-contained installation
3.5	TC035C12 U/W 00		320*240	6-36V	485 4pin_5.08	IPS	Standard 86 shell
	TC035C22 U/W 00	Wire Controller	480*320	5-15V	485 4pin_2.54	TN	Self-contained installation
	TC043C12 U/W 00		480*272	6-36V	485 4pin_2.54	TN	Standard 86 shell
4.0	TC040C12 U/W 00		480*480	6-36V	485 4pin_2.54	IPS	Standard 86 shell
4.0	TC070C12 U/W 00		1024*600	6-36V	485 4pin_5.08	IPS	Standard 86 shell

● For these three wire controllers, TR028C12U00, TC035C22U00, TC040C12U00, the power supply box is eliminated in structure, and the overall structure is thin, can be directly installed with the built-in mounting plate.

● The wire controller refers to a wall-mounted panel that only supports 485 communication in function, and the power supply is DC power supply. Note that the installation method is divided into two methods: standard 86 shell and self-contained installation.

OVERALL UNIT SOLUTIONS

▌HIGH-SPEED BLENDER

T5L0+800*480   4.3 inch IPS LCD+integrated capacitive touch screen
T5L1+ 854*480   5.0 inch IPS LCD+integrated capacitive touch screen
T5L0+480*272   4.3 inch TN LCD+resisitive touch screen

Based on DWIN T5L ASIC, through the OS core integrated the high-speed blender control-related algorithms, T5L chip makes the product use smoother, more effcient, more convenient and smarter to operate.

Advantages

1.High-quality music playback and voice prompts.

2.DWIN's patented series motor drive technology.

3.Intelligent temperature control algorithm.

4. Provide user PC development software platform, customer can develop a variety of recipes.

THERMOSTAT

T5L0+480*320 3.5 inch+IPS/TN LCD+integrated capacitive touch screen+shell

T5L1+702*720   4.1 inch + INCELL+integrated capacitive touch screen + shell

T5L1+1024*600 7.0 inch+IPS LCD+integrated capacitive touch screen + shell

T5L2+1920*480 8.8 inch+IPSLCD+ntegrated capacitive touch screen + shell

Based on DWIN T5L ASIC, provide accurate temperature measurement algorithm, accurate measurement of 0.5 degrees Celsius. It has rich peripheral interfaces, which can rapidly expand various AIOT application functions

Advantages

1.Provide innovative and efficient intelligent IoT solutions - DWIN Cloud Platform, which can help users to better remote control and data management.

2.Connect to the intelligent voice assistant platform, which can quickly realize intelligent voice control.

3.Users can generate management back-end based on DWIN Cloud platform and self-generate H5 pages with DWIN Cloud APP architecture to focus on core cloud business development more efficiently.

LAN SOLUTION

The LAN solution of DWIN Technology can realize intercom function. It has the characteristics of high bandwidth, simple development, high integration, low cost and simple application and construction. It has been applied in medical care system, electronic table card and clock system.

1.Medical Care System

T5L0+480*480   4.0 inch IPS LCD+ integrated capacitive touch screen

T5L1+854*480   5.0 inch IPS LCD+ integrated capacitive touch screen

T5L2+1024*600 7.0 inch IPS LCD+ integrated capacitive touch screen

T5L2+1280*600 10.1 inch IPS LCD+ integrated capacitive touch screen

Based on the excellent howling suppression capability of high-speed computing T5L, it supports high-quality host broadcasting.

Remote upgrade and real-time data information, single host supports up to 256 terminals, high operating efficiency.

Advantages

1. High-quality full-duplex voice intercom.

2. Double MIC, double speaker, software selection switch, simplify the design of the handle and external placement.

3. Support high-quality host broadcast to realize background music playback and TTS signal.

4. Files and terminal device applications can be upgraded online.

5. Based on a cheap twisted-pair network, simple and easy.

2.Electronic Table Card

Electronic table card is a smart color screen conference system solution developed by DWIN for modern conference, which integrates a variety of meeting functions, has a high degree of informationization, and enables paperless meetings, which can be used repeatedly.

Advantages

1.Integrate multiple functions of sign-in, voting, and call services in one.

2.Local area network method ensures the safety of meeting materials.

3.System management software for users to use directly and for asy management.

SMART SCREEN SOLUTIONS

3D Printer

Simple development

TPage sliding, zone rolling, audio playback, keyboard input

Cost advantage

- T5 and T5L chips designed by DWIN make the cost of the core drive extremely well controlled.

- The integration advantage of the whole industry chain can provide LCD screens with a double guarantee of controllable quality and stable supply.

3.5-inch 480*320 TN screen + Capacitive touch panel

Card Reader

- T5 and T5L chips designed by DWIN makes the cost of core drive extremely well controlled.

- The whole industry chain integration advantage, can provide controllable quality, stable supply of LCD screen dual guarantee.

- The PCBA core driver board with T5L ASIC makes screen development easy.

4.3-inch 480*272 TN screen + Touch panel
4.3-inch 800*480 IPS screen + Capacitive touch panel

SELF-SERVICE CAR WASHING MACHINE

- The DWIN smart screen updates the QR code based on real-time data to facilitate charging.

- The whole video/voice operation guide makes car washing easier.

- Connect to the cloud platform, remote background management, real-time view of business data. At the same time, you can check whether the machine is short of water, foam liquid is insufficient, and the machine is offline.

  7-inch 1024*600 IPS + Touch panel

Ultrasound knife

Oven

Water boiler

Fire-alarm

Exhaust gas detector

Wall mounted boiler

High speed blender

Tea Maker

Pesticide detector

Visible walky-talky system

Packaging Machinery

Vending machine

Smart electric meter

Oxygenerator

Ice Machine

3D printer

Excavator

Crystal injector

Washing machine

Medical analyzer

Bus POS

Blood detector

Food tester

Water heater

Heat pump

Electronic balance

Money counter

Subway turnstiles

EV Charging pile

Cooking machine