



# DWIN PRODUCT CATALOG

## INTRODUCTION

Beijing headquarters	2003
Manufacturing Center	Over 250,000 m <sup>2</sup>
Employees	Over 1300
R&D personnel	Over 300

## WHY CHOOSE US?

### ● Industry experience

DWIN was founded in 2003 at Zhongguancun, and now has become the top supplier of LCMs in China which has set up regional marketing and application support in China as well as overseas countries such as Poland, Brazil and the United States and so on.

### ● R&D capability

DWIN invests 30% of its profits in R&D each year, and owns hundreds of patents covering from ASIC architecture to application solutions.

### ● Manufacture ability

DWIN has built a manufacturing and service base whose total factory area is about 250,000 square meters in 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 pieces per day.

### ● Stable supply and price

Establish long-term cooperation with the world's leading brands with direct supply.

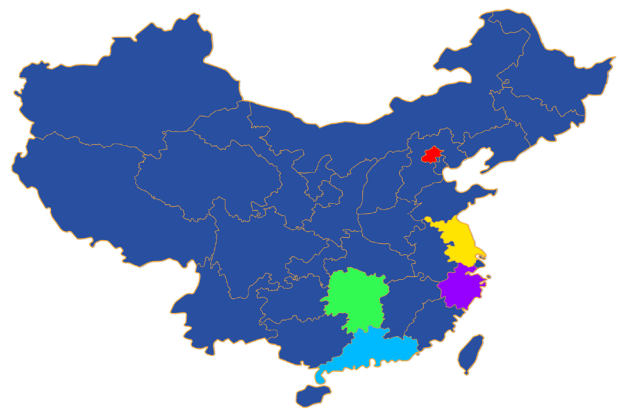
### ● Short delivery time

Shorten greatly the delivery time because of the mature industrial chain.

Comprehensive and considerate services based on the industrial chain of DWIN Hunan Science and Technology Park.



DWIN can provide timely pre-sales and after-sales services to domestic and overseas customers.



**Overseas customer service**  
The USA, Poland, Brazil and other regions.

**Headquarter—Beijing**  
I Located in Nation Defense Science and Tehcnology Park, Haidian District. Office area 2000m<sup>2</sup>

**Manufacturing Base-Taiyuan city**  
Manufacturing and service base with a building area of 250,000 m<sup>2</sup>

**Changsha, Hunan-Changsha office**

**Suzhou-East China office**

**Guangdong-South China office**

**Zhejiang-East China office**

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# 1. UART PRODUCT

## 1.1 DEFINITION OF DWIN SCREEN

### 1.1.1 NAMING SCHEME

Instruction	Category	Serial number	Description
DM	Product Code	2 Characters	Smart screen production line
G	Color Code	1 Character	T=65K Color(16-bit) G=16.7M/262K Color(24-bit/18-bit)
80480	Resolution	5 Digits	24240=240*240 32240=320*240 32320=320*320 48270=480*272 48320=480*320 48480=480*480 64360=640*360 64480=640*480 72720=720*720 80480=800*480 85480=854*480 80600=800*600 10600=1024*600 0768=1024*768 12480=1280*480 12720=1280*720 12800=1280*800 13768=1364*768 or 1366*768 16720=1620*720 19480=1920*480 19108=1920*1080
T	Classification	1 Character	Y=Beauty Grade C=Commercial Grade T=Industrial Grade K=Medical Grade Q=Automotive Grade
070	Size	3 Digits	S=Harsh Environment Application F=COF Structure
—	—	—	Separator
1	Attribute Code	1 Digit or Character	"0": Basic type "1": Basic type with a shell "2": Analog video platform "3": System products (Android and Linux platform) "4": Digital video platform "A": DGUSII kernel product
5	Hardware ID	1 Digit	1-9 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



• 1.1.2 APPLICATION GRADE DESCRIPTION

Application Grade	Explanation
Consumer Grade	Long-time outdoor use is not supported. LED lifetime is 10,000 hours. Although a few screens are with anti-glare and anti-UV features, long-time outdoor usage is not recommended.
Beauty Grade	Long-time outdoor use is not supported. LED lifetime is over 10,000 hours. The LCD uses a TV film, which is suitable for customers with demanding cost requirements.
Commercial Grade	Long-time outdoor use is not supported. LED lifetime is 20,000 hours. Some screens are with anti-glare and anti-UV features. But long-time outdoor usage is not recommended.
Industrial Grade	Outdoor use is supported. LED lifetime is 30,000 hours. The LCDs produced in the factory will have a 15-30 days aging test.
Automotive Grade	Outdoor use is supported. LED lifetime is 30,000 hours. The LCDs produced in the factory will have 30 days aging test and 72 hours of 50° C high-temperature aging test together with conformal coating and anti-vibration treatment before leaving the factory.
Medical Grade	Outdoor use is supported. LED lifetime is 30,000 hours. The LCDs produced in the factory will have 30 days aging test and 72 hours of 50° C high-temperature aging test together with conformal coating and anti-vibration treatment before leaving the factory. EMC treatment to meet CE Class B standards.
Harsh Environment Application	Outdoor use is supported. LED lifetime is 50,000 hours. The LCDs produced in the factory will have 30 days aging test and 72 hours of 50° C high-temperature aging test. Special treatment for ESD, vibration resistance, conformal coating, outdoor application protection, etc.
COF Structure	COF is the best choice for customers who are dedicated in simple application products with the features of light and structure, low cost and easy production.

### • 1.1.3 RELATED ACRONYMS EXPLANATION

Type	Abbreviation	Description
Shell	PS1	The plastic shell suitable for indoor use, it may be deformed due to excessive temperature or UV degradation when outdoor use.
	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 environment.
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 is over 88/88/88/88).
Touch	R4	4-wire RTP
	R4AV	4-wire RTP with anti-glare and anti-UV, it suitable for outdoor use.
	R5	5-wire RTP
	R5AV	5-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.
	GFF	G+FF 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.
Memory	1G	Built-in NAND Flash memory is 1Gbits (128Mbytes).
	2G	Built-in NAND Flash memory is 2Gbits (256Mbytes).
	4G	Built-in NAND Flash memory is 4Gbits (512Mbytes).
	8G	Built-in NAND Flash memory is 8Gbits (1Gbytes).
	16G	Built-in NAND Flash memory is 16Gbits (2Gbytes).



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.
Signal 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	A serial port provides RS232 and RS485, but cannot be used simultaneously.
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.
	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 T5/T5L CPU, UI refresh cycle 16-60mS, high-quality music playback, DWIN OS real-time operation, typical platforms include T5UID1/D2/D3/T5L.
User interface	10P10F	10Pin 1.0mm, FCC interface
	40P05F	40Pin 0.5mm, FCC interface
	50P05F	50Pin 0.5mm, FCC interface
	6P25P	6Pin 2.54mm, straight plug socket
	8P25P	8Pin 2.54mm, straight plug socket
	8P20P	8Pin 2.0mm, patch socket
	6P38P	6Pin 3.81mm, phoenix terminal socket
	8P38P	8Pin 3.81mm, phoenix terminal socket
	10P51P	10Pin 5.08, terminal block



## ● 1.2 CATALOG

Size	Resolution	Model	LCD	Remark
2.0	320*240	DMG32240C020_03W	IPS	CTP&RTP, cost-effective.
2.4	320*240	DMG32240C024_03W	TN	CTP&RTP, cost-effective.
2.8	320*240	DMG32240F028_01W	TN	COF structure, RTP. Ultra-thin product.
		DMG32240C028_03W	TN	COB structure, RTP&CTP. Easy to install.
3.0	640*360	DMG64360K030_01W	IPS	Medical-grade product, high reliability.
		DMG64360T030_01W	IPS	Industrial-grade product with low-cost T5L0.
3.5	320*240	DMG32240C035_03W	IPS	RTP&CTP, its suitable for users with cost requirements.
	480*320	DMG48320C035_03W	IPS	RTP&CTP, high cost-effective .
	480*320	DMG48320F035_01W	IPS	COF structure, WTC=Black WTCZ01=White WTCZ02=Integrated black
	640*480	DMG64480T035_01W	IPS	Industrial-grade application, with RTC, using low-cost T5L0.
	800*480	DMG80480T035_01W	IPS	
4.0	480*480	DMG48480C040_03W	IPS	RTP&CTP, special structure screen.
		DMG48480T040_01W	IPS	1:1 square screen, with RTC, using low-cost T5L0.
		DMG48480F040_01W	IPS	COF structure, variety colors are available, uses 2.5D process.
	800*480	DMG80480C040_03W	IPS	RTP&CTP, uses 2.5D process, reserved Wi-Fi interface.
		DMG80480T040_01W	IPS	Industrial-grade product with conformal coating, RTC, cost-effective.
4.1	720*720	DMG72720C041_03W	IPS	Incell, ultra-thin product.
		DMG72720T041_06W	IPS	Incell, embedded smart screen.

Size	Resolution	Model	LCD	Remark
4.3	480*272	DMG48270C043_03W	TN	RTP&CTP, reserved Wi-Fi interface.
		DMG48270C043_04W	TV-TN	T5L0 chip, cost-effective, 15W shell can be pre-installed.
		DMG48270C043_05W	TN	T5L0+8MB Flash.
		DMG48270F043_01W	TV-TN	RTP, COF structure, ultra-thin product.
		DMG48270C043_15W	TN	With shell, waterproof and dustproof, IP65, buckle installation, reliable installation.
	800*480	DMG80480C043_01W	IPS	RTP&CTP, cost-effective, horizontal structure.
		DMG80480C043_02W	IPS	RTP&CTP, portrait structure.
		DMG80480T043_01W	IPS	Industrial-grade product with conformal coating.
		DMG80480T043_09W	IPS	UV protection, highlight.
		DMG80480C043_06W	TN	COF structure, using 10Pin_1.0 cable.
		DMG80480F043_01W	IPS	COF, WTC=Black WTCZ01=White WTCZ02=Integrated black
		DMG80480T043_A5W	IPS	Integrated touch panel with shell.
	5.0	800*480	DMG80480C050_04W	IPS
DMG80480C050_03W			TN	RTP&CTP, cost-effective.
DMG80480C050_04W			IPS	T5L0, cost reduction solution, 15W shell can be pre-installed.
DMG80480T050_A5W			IPS	Integrated touch panel.
850*480		DMG85480F050_01W	IPS	COF structure, variety of colors are available, ultra-thin product.
		DMG85480C050_03W	IPS	RTP&CTP, reserved Wi-Fi interface.
1280*720		DMG12720C050_03W	IPS	Incell, portrait structure, reserved Wi-Fi interface.
		DMG12720T050_06W	IPS	Incell, horizontal structure.
1280*720		DMG12720T050_01W	IPS	Incell, T5L0, with conformal coating, reserved Wi-Fi and USB interface.

Size	Resolution	Model	LCD	Remark	
5.6	640*480	DMG64480C056_03W	TN	RTP&CTP, cost-effective.	
		DMG64480T056_01W	TN	T5L1, COB structure, reserved Wi-Fi and USB interface.	
7.0	800*480	DMG80480Y070_01N	TV-TN	Cost-effective, using DWIN T5L chip.	
		DMG80480Y070_02N	TV-TN	Cost-effective, using DWIN T5L0 chip.	
		DMG80480F070_01W	TN	T5L0, COF structure, ultra-thin product.	
		DMG80480L070_01W	TN	RTP, T5L1, pre-installed TA mode, cost-effective.	
		DMG80480C070_04W	TN	T5L0, cost-effective, 15W shell can be pre-installed.	
		DMG80480C070_03W	TN	T5L1, RTP&CTP, cost-effective.	
		DMG80480C070_15W	TN	T5L0, RTP, cost-effective RTP, 16MB Flash.	
		DMG80480T070_15W	TN	Industrial-grade integrated RTP, built-in speaker.	
		DMG80480T070_A5W	TN	Integrated five-wire RTP, buckle installation.	
		DMG80480T070_05W	TN	Industrial-grade product with conformal coating, RTC.	
	DMG80480T070_09W	TN	UV protection, highlight.		
	1024*600	DMG10600C070_03W	IPS	Cost-effective with Wi-Fi module.	
		DMG10600T070_A5W	IPS	Integrated CTP, built-in speaker	
		DMG10600T070_01W	IPS	T5L2, industrial-grade with conformal coating.	
		DMG10600T070_09W	IPS	T5L2 , UV protection, highlight.	
	1280*800		DMG12800T070_01W	IPS	T5L2, industrial-grade with RTC.

Size	Resolution	Model	LCD	Remark
8.0	800*600	DMG80600Y080_01NR	TV-TN	T5L1, TA instruction system only.
		DMG80600Y080_02NR	TV-TN	T5L0, cost-effective, TA instruction system only.
		DMG80600L080_01W	TN	T5L1, RTP, cost-effective.
		DMG80600C080_03W	TN	RTP&CTP, cost-effective.
		DMG80600T080_02W	TN	T5L1, industrial-grade with conformal coating.
		DMG80600T080_09W	TN	UV protection, highlight.
	1024*768	DMG10768C080_03W	IPS	RTP&CTP, cost-effective.
		DMG10768T080_01W	IPS	Industrial-grade with conformal coating, with RTC.
	1280*800	DMG12800T080_01W	IPS	T5L2, high resolution industrial-grade product, with RTC.
		DMG12800C080_03W	IPS	T5L2, cost-effective, with onboard speakers, with RTC.
8.8	1920*480	DMG19480C088_03W	IPS	RTP&CTP, long strip screen, generally used in smart home.
		DMG19480T088_01W	IPS	T5L2, industrial-grade, long strip screen, with speakers, with RTC.
9.7	1024*768	DMG10768C097_03W	TN	RTP&CTP, reserved Wi-Fi interface.
		DMG10768T097_01W	TN	T5L2, industrial-grade with conformal coating and RTC.
10.1	1024*600	DMG10600Y101_01N	TV-TN	T5L2, cost-effective.
		DMG10600C101_03W	IPS	RTP&CTP, used for indoor equipment.
		DMG10600C101_15W	TN	T5L2, integrated RTP with RTC, with shell.
		DMG10600T101_01W	IPS	T5L2, industrial-grade with conformal coating and RTC.
		DMG10600T101_09W	IPS	UV protection, high brightness with RTC.
	1280*800	DMG12800L101_01W	IPS	RTP&CTP, cost-effective, with RTC and shell.
		DMG12800T101_01W	IPS	T5L2, RTP&CTP, industrial-grade with conformal coating.

Size	Resolution	Model	LCD	Remark
10.4	800*600	DMG80600C104_03W	TN	RTP&CTP, Commercial-grade with Wi-Fi interface and conformal coating.
		DMG80600T104_01W	TN	T5L1, industrial-grade with conformal coating, with RTC.
	1024*768	DMG10768T104_01W	IPS	T5L2, industrial-grade with conformal coating, 16MBFlash.
		DMG10768C104_03W	IPS	RTP&CTP, with onboard speaker, Wi-Fi 10 module, offline voice module.
		DMG10768T104_09W	IPS	UV protection, high brightness, with RTC.
11.6	1920*1080	DMG19108C116_02W	IPS	CTP, high resolution with video play function, running DGUS system, with RTC.
		DMG19108C116_03W	IPS	AIOT LCM, HD short video playback function, TA instruction.
12.1	800*600	DMG80600Y121_01N	TV-TN	T5L1, cost-effective
		DMG80600C121_03W	TN	RTP&CTP, music play, Wi-Fi interface reserved.
		DMG80600T121_01W	TN	T5L1, industrial-grade product, with RTC.
	1024*768	DMG10768T121_01W	IPS	RTP&CTP, industrial-grade with conformal coating and RTC.
	1280*800	DMG12800C121_02W	TN	CTP, Wi-Fi interface reserved.
15.0	1024*768	DMG10768Y150_01N	TV-TN	Cost-effective.
		DMG10768C150_03W	TN	RTP, cost-effective, Wi-Fi interface reserved.
		DMG10768T150_01W	IPS	RTP&CTP, industrial-grade with conformal coating and RTC.
15.6	1364*768	DMG13768C156_03W	TN	CTP, Commercial-grade, high resolution.
	1920*1080	DMG19108C156_03W	IPS	RTP&CTP, AIOT LCM, HD short video play function, TA instruction.
		DMG19108C156_02W	IPS	CTP, high resolution with video play function, running DGUS system.
18.5	1364*768	DMG13768C185_03W	TN	CTP, Ultra HD, with speakers.
21.5	1920*1080	DMG19108C215_02W	IPS	CTP, high resolution with video play function, running DGUS system.
		DMG19108C215_03W	IPS	RTP&CTP, AIOT LCM, HD short video play function, TA instruction.

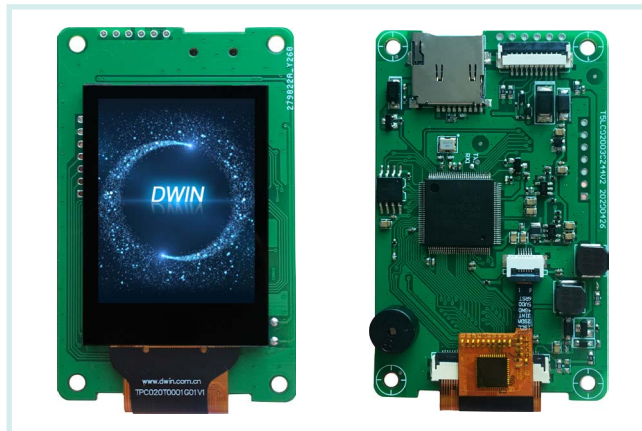
Size	Resolution	Model	LCD	Remark
8.0	800*600	DMG80600Y080_01NR	TV-TN	T5L1, TA instruction system only.
		DMG80600Y080_02NR	TV-TN	T5L0, cost-effective, TA instruction system only.
		DMG80600L080_01W	TN	T5L1, RTP, cost-effective.
		DMG80600C080_03W	TN	RTP&CTP, cost-effective.
		DMG80600T080_02W	TN	T5L1, industrial-grade with conformal coating.
		DMG80600T080_09W	TN	UV protection, highlight.
	1024*768	DMG10768C080_03W	IPS	RTP&CTP, cost-effective.
		DMG10768T080_01W	IPS	Industrial-grade with conformal coating, with RTC.
	1280*800	DMG12800T080_01W	IPS	T5L2, high resolution industrial-grade product, with RTC.
		DMG12800C080_03W	IPS	T5L2, cost-effective, with onboard speakers, with RTC.
8.8	1920*480	DMG19480C088_03W	IPS	RTP&CTP, long strip screen, generally used in smart home.
		DMG19480T088_01W	IPS	T5L2, industrial-grade, long strip screen, with speakers, with RTC.
9.7	1024*768	DMG10768C097_03W	TN	RTP&CTP, reserved Wi-Fi interface.
		DMG10768T097_01W	TN	T5L2, industrial-grade with conformal coating and RTC.
10.1	1024*600	DMG10600Y101_01N	TV-TN	T5L2, cost-effective.
		DMG10600C101_03W	IPS	RTP&CTP, used for indoor equipment.
		DMG10600C101_15W	TN	T5L2, integrated RTP with RTC, with shell.
		DMG10600T101_01W	IPS	T5L2, industrial-grade with conformal coating and RTC.
		DMG10600T101_09W	IPS	UV protection, high brightness with RTC.
	1280*800	DMG12800L101_01W	IPS	RTP&CTP, cost-effective, with RTC and shell.
		DMG12800T101_01W	IPS	T5L2, RTP&CTP, industrial-grade with conformal coating.

Size	Resolution	Model	LCD	Remark
10.4	800*600	DMG80600C104_03W	TN	RTP&CTP, Commercial-grade with Wi-Fi interface and conformal coating.
		DMG80600T104_01W	TN	T5L1, industrial-grade with conformal coating, with RTC.
	1024*768	DMG10768T104_01W	IPS	T5L2, industrial-grade with conformal coating, 16MBFlash.
		DMG10768C104_03W	IPS	RTP&CTP, with onboard speaker, Wi-Fi 10 module, offline voice module.
		DMG10768T104_09W	IPS	UV protection, high brightness, with RTC.
11.6	1920*1080	DMG19108C116_02W	IPS	CTP, high resolution with video play function, running DGUS system, with RTC.
		DMG19108C116_03W	IPS	AIOT LCM, HD short video playback function, TA instruction.
12.1	800*600	DMG80600Y121_01N	TV-TN	T5L1, cost-effective
		DMG80600C121_03W	TN	RTP&CTP, music play, Wi-Fi interface reserved.
		DMG80600T121_01W	TN	T5L1, industrial-grade product, with RTC.
	1024*768	DMG10768T121_01W	IPS	RTP&CTP, industrial-grade with conformal coating and RTC.
	1280*800	DMG12800C121_02W	TN	CTP, Wi-Fi interface reserved.
15.0	1024*768	DMG10768Y150_01N	TV-TN	Cost-effective.
		DMG10768C150_03W	TN	RTP, cost-effective, Wi-Fi interface reserved.
		DMG10768T150_01W	IPS	RTP&CTP, industrial-grade with conformal coating and RTC.
15.6	1364*768	DMG13768C156_03W	TN	CTP, Commercial-grade, high resolution.
	1920*1080	DMG19108C156_03W	IPS	RTP&CTP, AIOT LCM, HD short video play function, TA instruction.
		DMG19108C156_02W	IPS	CTP, high resolution with video play function, running DGUS system.
18.5	1364*768	DMG13768C185_03W	TN	CTP, Ultra HD, with speakers.
21.5	1920*1080	DMG19108C215_02W	IPS	CTP, high resolution with video play function, running DGUS system.
		DMG19108C215_03W	IPS	RTP&CTP, AIOT LCM, HD short video play function, TA instruction.

## 1.3 PARAMETER

### 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	***



DMG32240C020\_03W

### 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	***



DMG32240C024\_03W



## 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	300nit	4.5V-5.5V	TTL 50Pin 0.5mm FPC	TN	CG



DMG32240C028\_03W

## 3 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
3.0	DMG64360T030_01W	Industry	640*360	250nit	4.5V-5.5V	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



DMG64360K030\_01W

### 3.5 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
3.5	DMG32240C035_03W	Commercial	320*240	300nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPs	R4/CG
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	4.5V-5.5V	TTL 50Pin 0.5mm FPC	IPS	CG
3.5	DMG64480T035_01W	Industrial	640*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4
3.5	DMG80480T035_01W	Industrial	800*480	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4



DMG80480T035\_01W

## 4 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.0	DMG80480C040_03W	Commercial	800*480	350nit	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	4.5V-5.5V	TTL 50Pin 0.5mm FPC	IPS	CG
4.0	DMG80480T040_01W	Industrial	800*480	350nit	6V-36V	TTL 8Pin_2.0	IPS	R4
4.0	DMG48480T040_01W	Industrial	480*480	300nit	6V-36V	TTL 8Pin_2.0	IPS	R4



DMG80480C040\_03W

## 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



DMG72720T041\_06W

## 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	DMG48270C043_04W	Commercial	480*272	270nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	TV-TN	R4/CG
4.3	DMG48270C043_05W	Commercial	480*272	270nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	TN	R4/CG
4.3	DMG48270F043_01W	COF	480*272	200nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	TV-TN	CG
4.3	DMG80480F043_01W	COF	800*480	280nit	3.6V-5.5V	TTL 50Pin_0.5mm FPC	IPS	CG
4.3	DMG80480T043_01W	Industrial	800*480	250nit	6V-36V	TTL 8Pin_2.0	IPS	R4
4.3	DMG80480T043_09W	Industrial	800*480	810nit	6V-36V	TTL 8Pin_2.0	IPS	R4



DMG80480T043\_09W

### 4.3 INCH WITH SHELL

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.3	DMG48270C043_15W	Commercial	480*272	250nit	5V	RS232/485 8Pin 2.0	TV-TN	R4
4.3	DMG80480T043_A5W	Industrial	800*480	200nit	6V-36V	232/485 8Pin_3.81	IPS	R4



DMG48270C043\_15W

### ● HIGH RESOLUTION 4.3 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
4.3	DMG80480C043_01W	Commercial	480*800	250nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	IPS	R4/CG
4.3	DMG80480C043_02W	Commercial	480*800	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

## 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	480*850	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	IncCell
5.0	DMG80480C050_04W	Commercial	800*480	300nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	IPS	CG
5.0	DMG85480F050_01W	COF	480*850	400nit	4.5V-5.5V	TTL 50Pin 0.5mm FPC	IPS	CG
5.0	DMG12720T050_06W	Industrial	1280*720	270nit	8V-15V	TTL FCC50_0.5 mm	IPS	IncCell
5.0	DMG80480T050_02W	Industrial	800*480	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
5.0	DMG80480T050_09W	Industrial	800*480	825nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
5.0	DMG12720T050_01W	Industrial	1280*720	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	IncCell



DMG12720T050\_01W

## 5 INCH WITH SHELL

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
5.0	DMG80480T050_A5W	Industrial	800*480	300nit	6V-36V	232/485 8Pin_3.81	IPS	R5/CG



DMG80480T050\_A5W

## 5.6 INCH

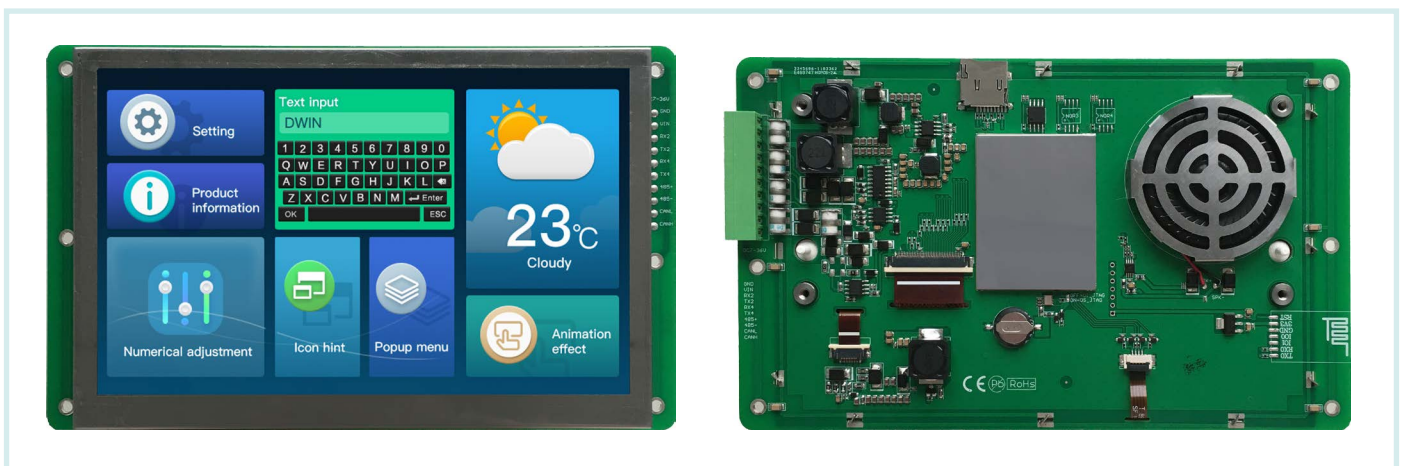
Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
5.6	DMG64480C056_03W	Commercial	640*480	180nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	R4/CG
5.6	DMG64480T056_01W	Industrial	640*480	160nit	6V-36V	TTL/232 8Pin_2.0	TN	R4/CG



DMG64480C056\_03W

## 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 10Pin_1.0 FCC	TN	R4
7.0	DMG80480C070_03W	Commercial	800*480	250nit	4.5V-5.5V	TTL/232 8Pin_2.0/10Pin_1.0 FCC	TN	R4/CG
7.0	DMG80480C070_04W	Commercial	800*480	250nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	TN	R4/CG
7.0	DMG10600C070_03W	Commercial	1024*600	250nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	IPS	R4/CG
7.0	DMG80480T070_05W	Industrial	800*480	250nit	6V-36V	TTL/232 8Pin_2.0	TN	R4/CG
7.0	DMG80480T070_09W	Industrial	800*480	810nit	6V-36V	TTL/232 8Pin_2.0	TN	R4/CG
7.0	DMG10600T070_01W	Industrial	1024*600	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
7.0	DMG10600T070_09W	Industrial	1024*600	650nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
7.0	DMG12800T070_01W	Industrial	1280*800	230nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
7.0	DMG80480F070_01W	COF	800*480	250nit	4.5V-5.5V	TTL 50Pin_0.5mm FPC	TN	R4
7.0	DMG80480C070_06W	COF	800*480	200nit	4.5V-5.5V	TTL 10Pin_1.0 FCC	TN	R4
7.0	DMT12800K070_A2W	Medical	1280*800	400nit	7V-36V	232/485/TTL 8Pin_2.0	SFT	R4/CG
7.0	DMG80480S070_03W	Harsh Environment	800*480	1000nit	7V-36V	232/485/CAN 10Pin_3.81	IPS	R4



DMG80480S070\_03W



## 7 INCH WITH SHELL

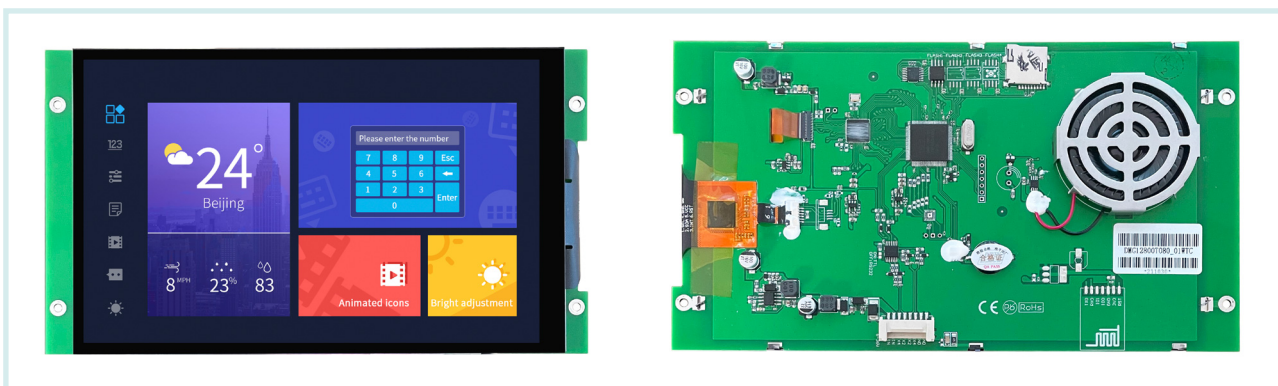
Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
7.0	DMG80480C070_15W	Commerical	800*480	200nit	6V-36V	232/480 8Pin 3.81	TV-TN	R4
7.0	DMG80480T070_15W	Industrial	800*480	230nit	6V-36V	232/485 8Pin 3.81	TN	R4
7.0	DMG80480T070_A5W	Industrial	800*480	260nit	6V-36V	232/485 8Pin 3.81	TN	R5
7.0	DMG10600T070_A5W	Industrial	1024*600	270nit	7V-36V	232/485 8Pin 3.81/CAN	IPS	R5/CG



DMG10600T070\_A5W

## 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	270nit	4.5V-5.5V	TTL/232 10Pin_1.0 FCC	TN	R4/CG
8.0	DMG10768C080_03W	Commercial	1024*768	180nit	4.5V-5.5V	TTL 10Pin-1.0 FCC	IPS	R4/CG
8.0	DMG12800C080_03W	Commercial	1280*800	200nit	6V-15V	TTL/232 8Pin_2.0	IPS	CG
8.0	DMG80600T080_02W	Industrial	800*600	320nit	6V-36V	TTL/232 8Pin_2.0	TN	R4/CG
8.0	DMG80600T080_09W	Industrial	800*600	810nit	6V-36V	TTL/232 8Pin_2.0	TN	R4/CG
8.0	DMG12800T080_01W	Industrial	1280*800	230nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
8.0	DMG10768T080_01W	Industrial	1024*768	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG



DMG12800T080\_01W

## 8.8 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
8.8	DMG19480C088_03W	Commercial	1920*480	270nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
8.8	DMG19480T088_01W	Industrial	1920*480	270nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG



DMG19480C088\_03W

## 9.7 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
9.7	DMG10768C097_03W	Commercial	1024*768	270nit	6V-15V	TTL/232 8Pin_2.0	TN	R4/CG
9.7	DMG10768T097_01W	Industrial	1024*768	270nit	6V-36V	TTL/232 8Pin_2.0	TN	R4/CG



DMG10768T097\_01W

## 10.1 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
10.1	DMG12800L101_01W	Consumer	1280*800	270nit	7V-15V	TTL/232 8Pin_2.0	IPS	R4/CG
10.1	DMG10600C101_03W	Commercial	1024*600	220nit	6V-15V	TTL/232 8Pin_2.0	IPS	R4/CG
10.1	DMG10600T101_01W	Industrial	1024*600	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
10.1	DMG10600T101_09W	Industrial	1024*600	600nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4
10.1	DMG12800T101_01W	Industrial	1280*800	400nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4



DMG10600T101\_09W

## 10.1 INCH WITH SHELL

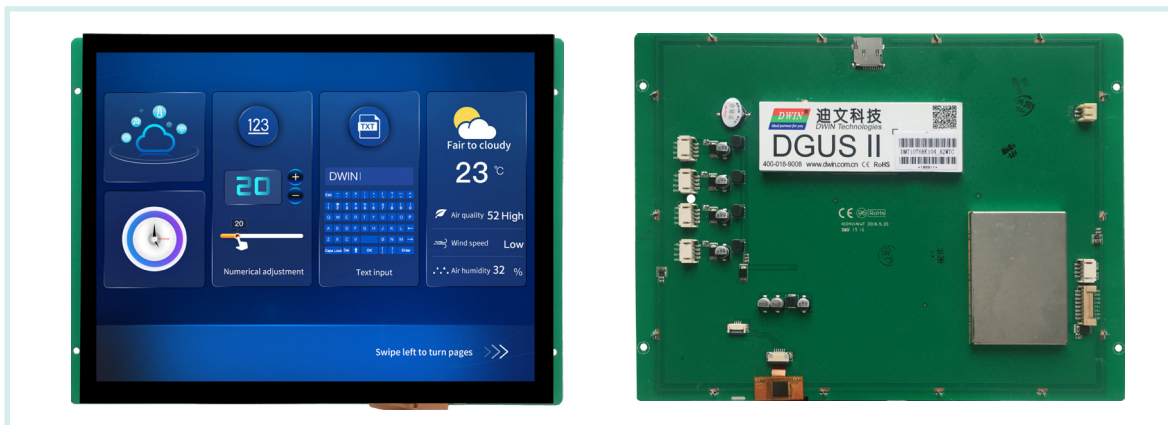
Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
10.1	DMG10600C101_15W	Commercial	1024*600	240nit	6V-36V	232/485 8Pin_3.81	TV-TN	R4



DMG10600C101\_15W

## 10.4 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
10.4	DMG80600C104_03W	Commercial	800*600	350nit	6V-15V	TTL/232 8Pin_2.0	TN	R4/CG
10.4	DMG10768C104_03W	Commercial	1024*768	300nit	6V-15V	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/CG
10.4	DMG10768T104_01W	Industrial	1024*768	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
10.4	DMG10768T104_09W	Industrial	1024*768	810nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
10.4	DMT10768K104_A2W	Medical	1024*768	400nit	8V-36V	232/485/TTL 8Pin_2.0	IPS	R4/CG



DMT10768K104\_A2W

## 11.6 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
11.6	DMG19108C116_02W	Commercial	1920*1080	190nit	6V-15V	TTL/232 8Pin_2.0	IPS	R4/CG
11.6	DMG19108C116_03W	Commercial	1920*1080	250nit	6V-36V	TTL/232 8Pin_2.0	IPS	CG



DMG19108C116\_03W

## 12.1 INCH

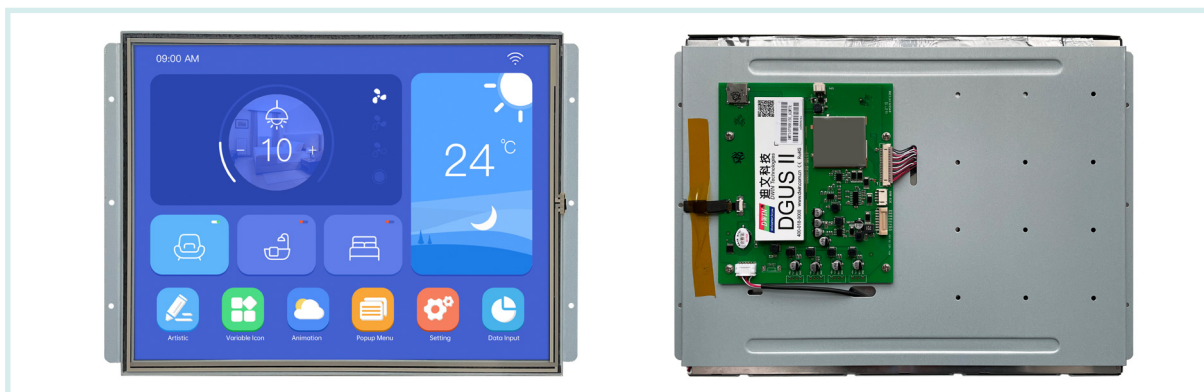
Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
12.1	DMG80600C121_03W	Commercial	800*600	270nit	12V-36V	TTL/232 8Pin_2.0	TN	R4/CG
12.1	DMG12800C121_02W	Commercial	1280*800	440nit	12V-36V	TTL/232 8Pin_2.0	TN	CG
12.1	DMG80600T121_01W	Industrial	800*600	360nit	6V-36V	TTL/232 8Pin_2.0	TN	R4/CG
12.1	DMG10768T121_01W	Industrial	1024*768	360nit	6V-36V	232/TTL 8Pin_2.0	IPS	R4/CG
12.1	DMT12800K121_A2W	Medical	1280*800	500nit	12V-36V	232/TTL 8Pin_2.0 4Pin_2.0	SFT	R4/CG



DMT12800K121\_A2W

## 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	350nit	6V-36V	TTL/232 8Pin_2.0	IPS	R4/CG
15.0	DMT10768K150_A2W	Medical	1024*768	350nit	12V-36V	232/485/TTL 8Pin_2.0	IPS	R4/CG



DMT10768K150\_A2W

## 15.6 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
15.6	DMG13768C156_03W	Commercial	1366*768	200nit	12V-30V	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



DMG19108C156\_02W

## 18.5 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
18.5	DMG13768C185_03W	Commercial	1366*768	250nit	12V-36V	TTL/232 8Pin_2.0	TN	CG



DMG13768C185\_03W

## 21.5 INCH

Size	Model	Level	Resolution	Brightness	Power Voltage	Interface	Display Type	Touch Screen Type
21.5	DMG19108C215_02W	Commercial	1920*1080	190nit	12V-36V	TTL/232 8Pin_2.0	IPS	R5/CG
21.5	DMG19108C215_03W	Commercial	1920*1080	180nit	12V-36V	TTL/232 8Pin_2.0	IPS	R5/CG



DMG19108C215\_02W

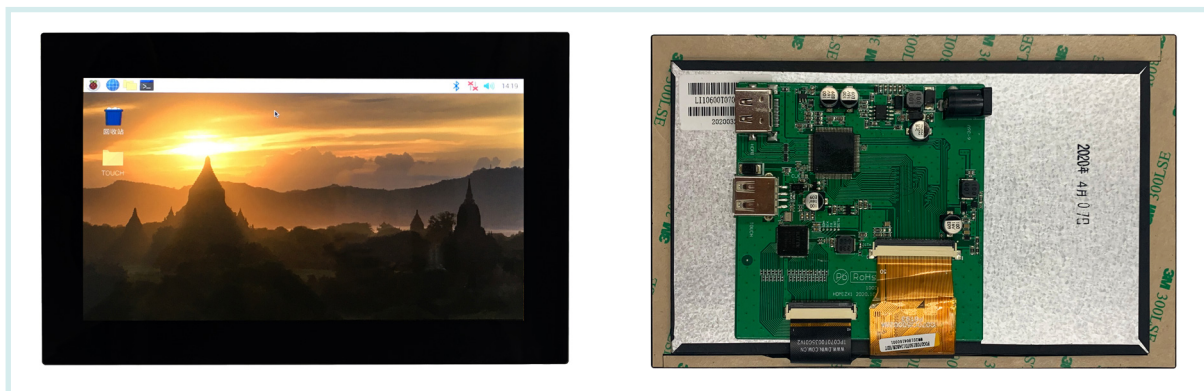
## 2. SYSTEM SCREEN

### 2.1 CATALOG

Size	Resolution	Model	Type	LCD
4.3	480*800	HDW043_001L	HDMI Interface	IPS
5.0	800*480	HDW050_003L	HDMI Interface	TN
7.0	1024*600	HDW070_007L	HDMI Interface	IPS
10.1	1024*600	HDW101_001L	HDMI Interface	IPS
10.4	1024*768	HDW104_001L	HDMI Interface	IPS
15.6	1920*1090	HDW156_001L	HDMI Interface	IPS
21.5	1920*1080	HDW215_001L	HDMI Interface	IPS
7.0	1024*600	DMG10600T070_34WTC	Android	IPS
	1280*800	DMG12800T070_34WTC	Android	IPS
10.1	1280*800	DMG12800T101_33WTC	Android	IPS
7.0	1024*600	DMT10600T070_37WTC	Linux	IPS
10.1	1280*800	DMT12800T101_37WTC	Linux	IPS

### ● HDMI

Size	Model	Resolution	Brightness	Power Voltage	Interface	LCD	Remark
4.3	HDW043_001L	480*800	250nit	3.6V-6V	HDMI	IPS	Support CTP
5.0	HDW050_003L	800*480	250nit	3.6V-6V	HDMI	TN	Support CTP
7.0	HDW070_007L	1024*600	300nit	6V-36V	HDMI	IPS	Anti-glare and UV protection
10.1	HDW101_001L	1024*600	300nit	6V-36V	HDMI	IPS	Integrated CTP, UV protection
10.4	HDW104_001L	1024*768	300nit	6V-36V	HDMI	IPS	Integrated CTP, UV protection
15.6	HDW156_001L	1920*1080	250nit	12V-36V	HDMI	IPS	Support 1080P
21.5	HDW215_001L	1920*1080	190nit	6V-36V	HDMI	IPS	Support 60Hz refresh rate



HDW070-007L



## 2.2 PARAMETER

### ● ANDROID

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	LCD	Function
7.0	DMG10600T070_34WTC	Android	1024*600	300nit	6V-36V	232/485 10Pin_3.81	IPS	SIM card&SD card interface,WI-FI and antenna, speaker and microphone, ethernet, headphone
7.0	DMG12800T070_34WTC	Android	1280*800	300nit	6V-36V	232/485 10Pin_3.81	IPS	SIM card&SD card interface,WI-FI and antenna, speaker and microphone, ethernet, headphone
10.1	DMG12800T101_33WTC	Android	1280*800	300nit	6V-36V	232/485 10Pin_3.81	IPS	SIM card&SD card interface,WI-FI and antenna, speaker and microphone, ethernet, headphone



DMG10600T070-34W

### ● LINUX

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	LCD	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	300nit	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



DMT10600T070\_37WTC

### 3. VIDEO SCREEN

#### 3.1 CATALOG

Size	Resolution	Model	Type	LCD
7.0	800*480	DMT80480T070_25W	Analog video screen	TN
	1024*600	DMG10600C070_25W	Analog video screen	IPS
8.0	800*600	DMT80600T080_25W	Analog video screen	TN
10.1	1024*600	DMG10600C101_25W	Analog video screen	IPS
7.0	800*480	DMT80480T070_41W	Digital video screen	TN
8.0	800*600	DMT80600T080_41W	Digital video screen	TN
10.1	1024*600	DMG10600T101_41W	Digital video screen	IPS
	800*600	DMG80600T104_41W	Digital video screen	TN
10.4	1024*768	DMG10768T104_41W	Digital video screen	IPS
15.0	1024*768	DMG10768T150_41W	Digital video screen	IPS

#### 3.2 PARAMETER

##### ● ANALOG VIDEO SCREEN

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	LCD	Function
7.0	DMT80480T070_25W	Video Screen	800*480	250nit	6V-36V	232/TTL 8Pin_2.0	TN	Buzzer, analog video input (CVBS signal), built-in RTC
	DMG10600C070_25W	Video Screen	1024*600	250nit	6V-36V	232/TTL 8Pin_2.0	IPS	Buzzer, AHD camera, built-in RTC
8.0	DMT80600T080_25W	Video Screen	800*600	350nit	6V-36V	232/TTL 8Pin_2.0	TN	Buzzer, analog video input (CVBS signal), built-in RTC
10.1	DMG10600C101_25W	Video Screen	1024*600	200nit	6V-36V	232/TTL 8Pin_2.0	IPS	Buzzer, AHD camera, Built-in RTC



DMG10600C070\_25W

**● DIGITAL VIDEO SCREEN**

Size	Model	Type	Resolution	Brightness	Power Voltage	Interface	LCD	Function
7.0	DMT80480T070_41W	Video Screen	800*480	300nit	7V-36V	232/TTL 8Pin_2.54	TN	Speaker, music play, USB camera, video play, buzzer
8.0	DMT80600T080_41W	Video Screen	800*600	250nit	7V-36V	232/TTL 8Pin_2.54	TN	Speaker, music play, USB camera, video play, buzzer
10.1	DMG10600T101_41W	Video Screen	1024*600	200nit	7V-36V	232/TTL 8Pin_2.54	IPS	Speaker, music play, USB camera, video play, buzzer
	DMG80600T104_41W	Video Screen	800*600	300nit	7V-36V	232/TTL 8Pin_2.0	TN	Speaker, music play, USB camera, video play, buzzer
10.4	DMG10768T104_41W	Video Screen	1024*768	250nit	7V-36V	232/TTL 8Pin_2.0	IPS	Speaker, music play, USB camera, video play, buzzer
15.0	DMG10768T150_41W	Video Screen	1024*768	300nit	12V-36V	232/TTL 8Pin_2.0	IPS	Speaker, music play, USB camera, video play, buzzer



DMG10600T101\_41W

## 4. WALL-MOUNTED PANEL

### 4.1 CATALOG

Size	Model	Type	Resolution	Shell
2.8	TR028C11 U/W 04	Thermostat	320*240	Standard 86 shell
3.5	TC035C11 U/W 04		320*240	Standard 86 shell
	TC035C21 U/W 04		480*320	Standard 86 shell
	TC035C13 U/W 05		320*240	Standard 86 shell
	TC040C11 U/W 04		480*480	Standard 86 shell
4.0	TC040C14 U/W 04		480*480	Standard 86 shell
	TC041C11 U/W 04		720*720	Standard 86 shell
4.1				
2.8	TR028C12 U/W 00	Wire Controller	320*240	Self-contained installation
3.5	TC035C12 U/W 00		320*240	Standard 86 shell
	TC035C22 U/W 00		480*320	Self-contained installation
4.3	TC043C12 U/W 00		480*272	Standard 86 shell
4.0	TC040C12 U/W 00		480*480	Standard 86 shell
7.0	TC070C12 U/W 00		1024*600	Standard 86 shell

## ● 4.2 PARAMETER

Size	Model	Type	Resolution	Power Voltage	Interface	LCD	Shell
2.8	TR028C11 U/W 04	Thermosta	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
	TC035C21 U/W 04		480*320	220V	4 relay+485 11pin_5.08	TN	Standard 86 shell
	TC035C13 U/W 05		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

1 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.

2 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	LCD	Shell
2.8	TR028C12 U/W 00	Wire Controller	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		480*320	5-15V	485 4pin_2.54	TN	Self-contained installation
4.3	TC043C12 U/W 00		480*272	6-36V	485 5pin_5.08	TN	Standard 86 shell
4.0	TC040C12 U/W 00		480*480	8-36V	485 4pin_2.0	IPS	Standard 86 shell
7.0	TC070C12 U/W 00		1024*600	6-36V	485 4pin_5.08	IPS	Standard 86 shell

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

2 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.



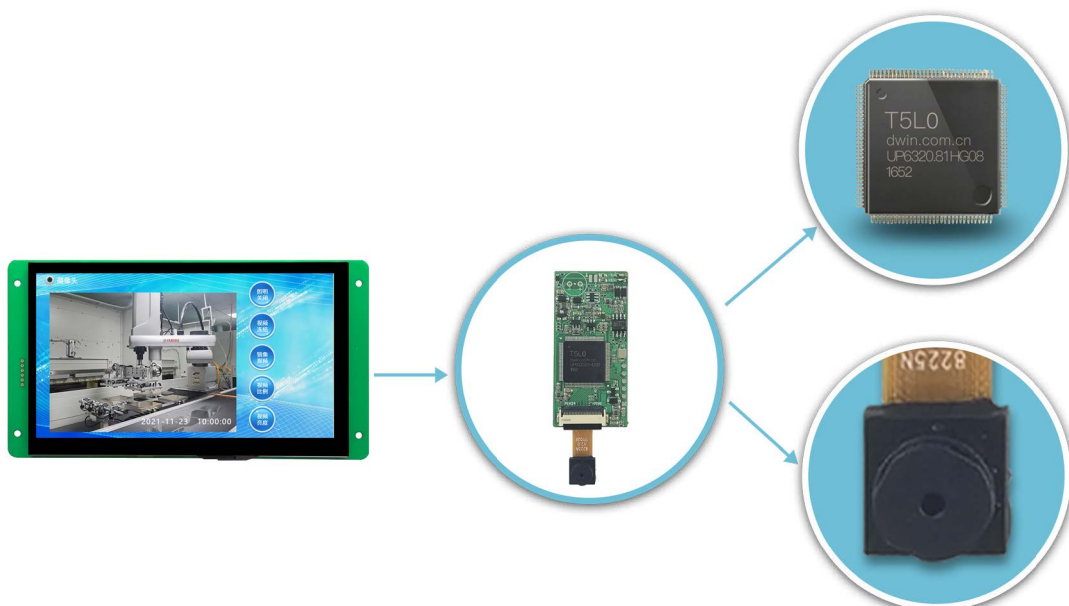
## 5. FSK BUS SCHEME

### 5.1 DGUS integrated bus camera

DWIN DGUS development platform has successfully integrated the camera video playback function. The smart LCM based on T5L2 CPU leads to the FSK bus interface with the FSK bus camera with T5L0 CPU, which is connected with a twisted pair or telephone line with a maximum length of 300 meters.

#### Advantages

- 1 EXCELLENT PERFORMANCE:** It adopts two-wire wiring and supports 35Mbps communication rate and cable transmission of up to 300 meters, with a wide range of application scenarios.
- 2 FAST DEVELOPMENT:** The FSK bus interface of the T5L DGUS screen is directly connected to the camera, and the function development can be completed through the DGUS tool "Camera Control".
- 3 COST EFFECTIVE:** The T5L chip has a built-in FSK, and the GUI core processes the bus signal directly and reduces the configuration of additional coprocessors.
- 4** Use telephone line or twisted pair to realize data transmission, no branch driver is needed in the bus scene.

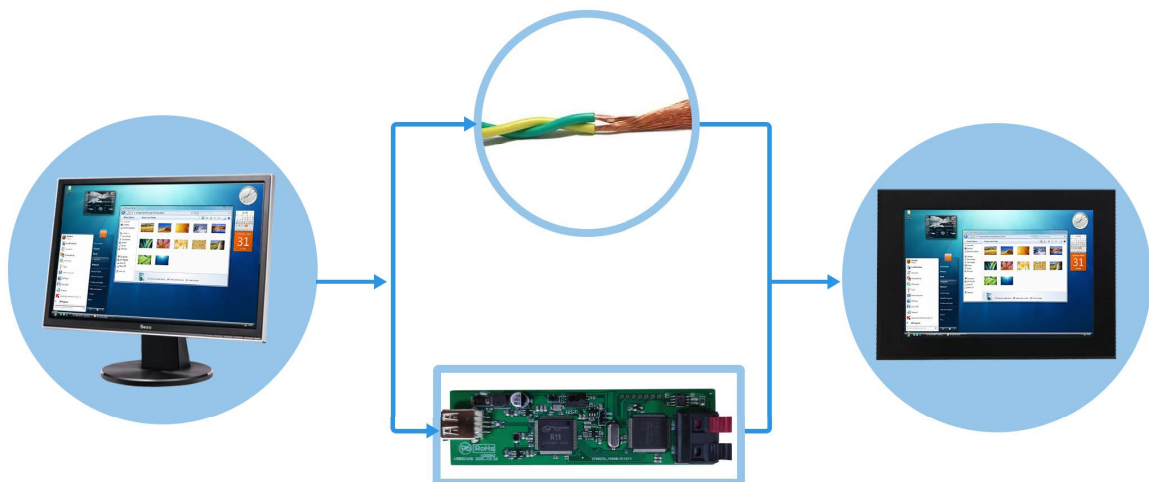


## 5.2 DWIN FSK bus remote projection

The DWIN FSK bus remote projection solution is oriented to applications such as smart meeting rooms and multimedia classrooms. It is based on the T5L FSK high-speed remote communication interface and connects the computer and the DWIN smart screen through a twisted pair to achieve a screen synchronization solution.

### Advantages

- 1 When the USB interface is connected to the PC, the PC terminal can remotely read and write the data of the display terminal;
- 2 The bus communication rate is up to 35Mbps, and the resolution of 1920\*1080 can achieve 16 frames per second, which the high-quality picture can be projected and displayed in real-time;
- 3 Supports up to 32 display terminals in parallel half-duplex two-way communication, with reliable transmission up to 100 meters twisted pair cable; it also supports up to 100V power carrier mode;
- 4 The display terminal adopts the DWIN AloT platform, and users can carry out secondary development on the OS core (350MHz single instruction cycle enhanced 8051);
- 5 The terminal with DVI interface output can be customized. The remote projection of multiple TV sets, monitors, and projectors can be realized at a low cost.



### 5.3 Medical care system

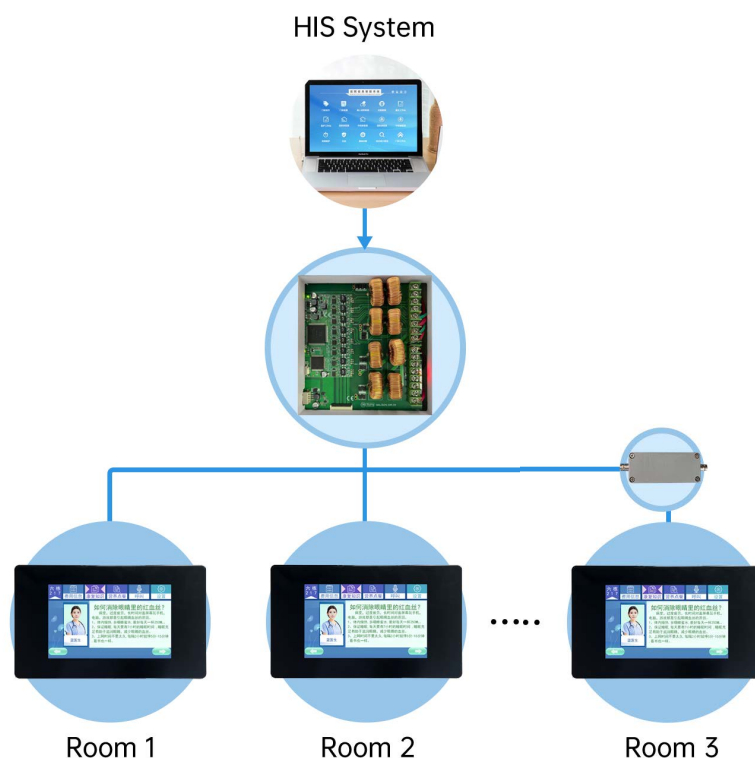
- T5L0 + 480\*480 4.0 inch IPS LCD panel + integrated CTP
- T5L1 + 854\*480 5.0 inch IPS LCD panel + integrated CTP
- T5L2 + 1024\*600 7.0 inch IPS LCD panel + integrated CTP
- T5L2 + 1280\*600 10.1 inch IPS LCD panel + integrated CTP

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, 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.



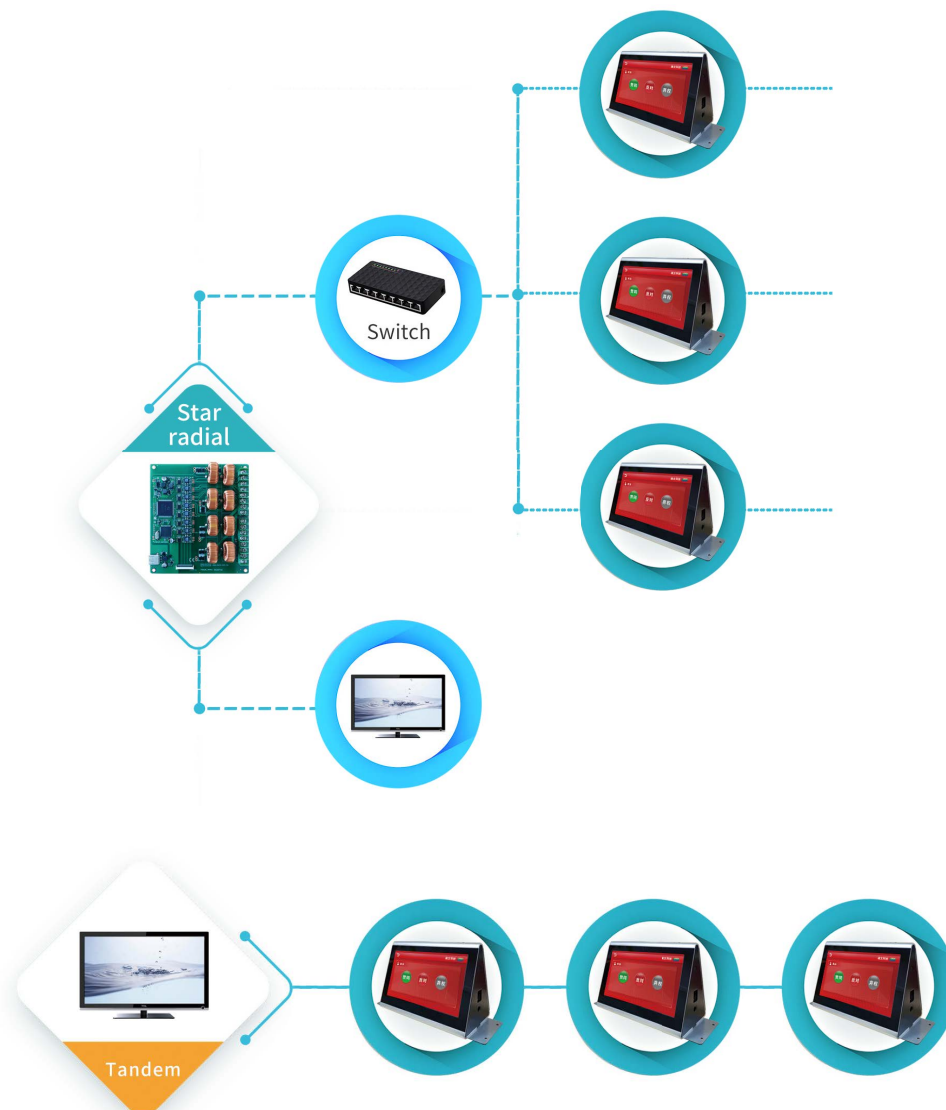


## 5.4 Electronic table sign

Electronic table sign is a smart color screen conference system solution developed by DWIN for the modern conference, which integrates a variety of meeting functions, has a high degree of internationalization, 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 easy management.



## 5.5 Clock System

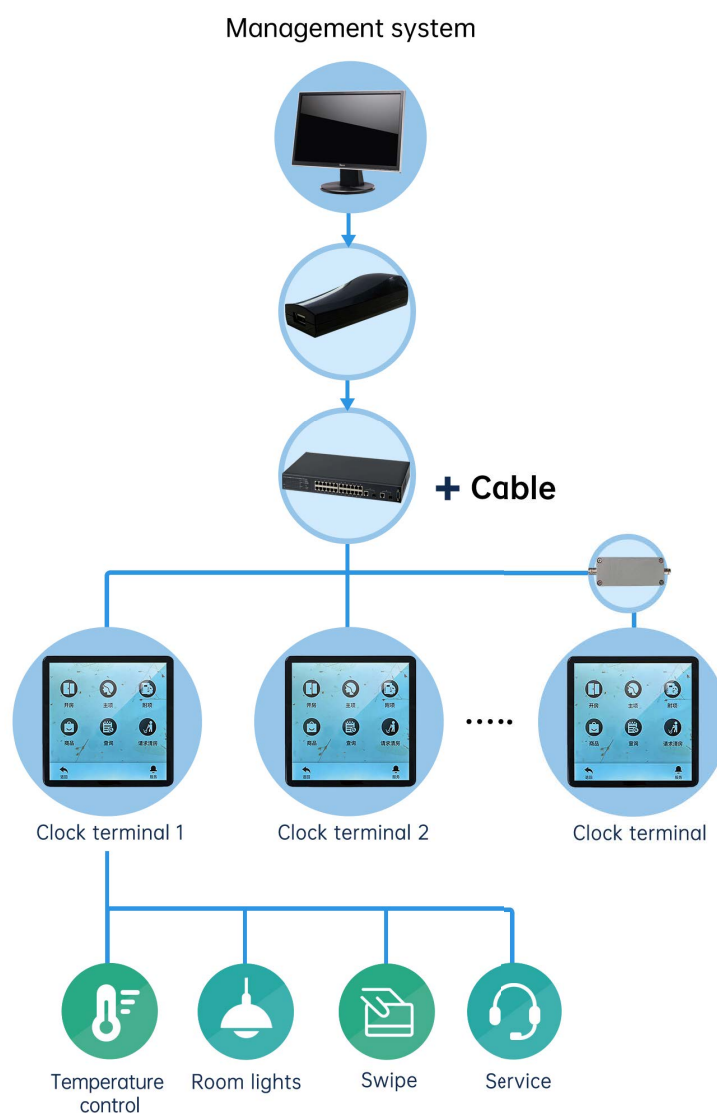
For the leisure and entertainment industry, the smart screen HMI solution developed by DWIN can improve the communication efficiency between the guest room and the service reception desk and enhance user experience.

### FSK solution advantages:

- 1 High-quality voice: full-duplex voice intercom, without delay in the system.
- 2 Simple installation: standard 86 and installation, convenient layout.
- 3 Simple development: zero code to achieve development and function realization, support online upgrade.
- 4 High cost performance: independent R&D and integration of the whole industry chain.
- 5 Strong scalability: rich peripherals.

### Ethernet solution advantages:

- 1 Ethernet transmission: system data transmission is efficient and stable, and the bandwidth can support online transmission of hundreds of devices.
- 2 High cost performance: highly integrated industrial resources, independent R&D.
- 3 Simple development: DGUS-based interactive interface, zero code, easy development, easy secondary development and short development cycle.





Ultrasound knife



Oven



Water boiler



Fire-alarm



Exhaust gas detector



Wall mounted boiler



High speed blender



Tea Maker



Pesticide detector



Visible walky-talk system



Packaging Machinery



Vending machine



Smart electric meter



Oxygenator



Ice Machine



3D printer



Excavator



Crystal injector



Washing machine



Medical analyzer



Bus POS



Blood detector



Food tester



Water heater



Heat pump



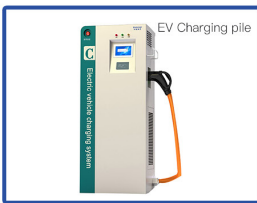
Electronic balance



Money counter



Subway turnstiles



EV Charging pile



Cooking machine



ALIBABA STORE



ALIEXPRESS



DIRECT INDUSTRY



MADE-IN-CHINA



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