

DWIN Smart LCMs Product Catalog

1 Naming Rule

DWIN Technologies Smart LCMs Naming Rule

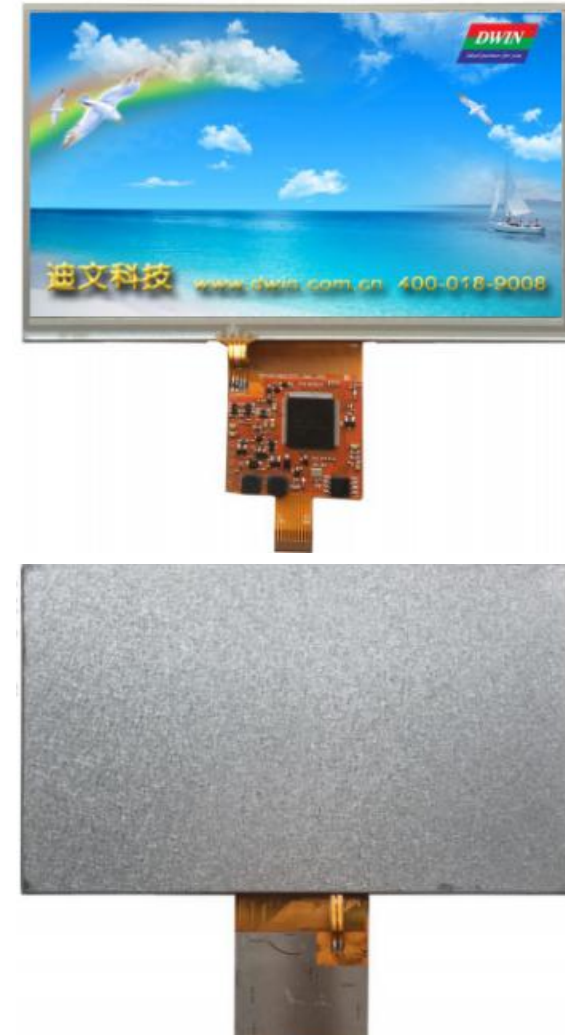
(Take DMT10768T080_A2WT for example)

Instruction	DM	The product line of DWIN smart LCMs.
	T	Color: T=65K color(16bit) G=16.7M color(24bit).
	10768	Resolution: 32240=320*240 48270=480*272 64480=640*480 80480=800*480 85480=854*480 80600=800*600 10600=1024*600 10768=1024*768 12720=1280*720 12800=1280*800 13768=1364*768 or 1366*768 19108=1920*1080.
	T	Application Classification: M or L=Simple application grade C=Commercial grade T=Industrial grade K=Medical grade Q=Automotive grade S=Military grade F=Product integrates application solution platform.
	080	Display Size: 080=Diagonal size of the screen is 8 inch.
	-	
	A	Classification, 0-Z, where A refers to DWIN smart LCMs based on DGUSII kernel.
	2	Hardware Serial Number: 0-9 stand for different hardware versions.
	W	
	T	N=Without TP TR=Resistive TP TC=Capacitive TP T=With TP.
	Note 1	None=Standard product, Z**=ODM product, ** ranges from 01 to 99.
	Note2	None=Standard product, F*=Extended Flash(F0=512MB F1=1GB F2=2GB).

2 Product Catalog

2.1 Smart LCMs with Flexible Driver Board

Model Number	DMG80480C043_06W	DMG80480C070_06W	DMG72720T041_06WTC	DMG12720T050_06WTC
Size	4.3	7	4.1	5
Aspect Ratio	16:9	16:9	1:1	16:9
LCD	IPS	TN	IPS	IPS
TP	R4	R4	IncCell	IncCell
Development Mode	TA/DGUSII	TA/DGUSII	TA/DGUSII	TA/DGUSII
Active Area (mm)	93.6*56.2	154.1*85.9	74.0*74.0	110.4*62.1
Resolution (H*V)	800*480	800*480	720*720	1280*720
Brightness (nit)	300	250	250	250
Power Supply Voltage (V)	4.5~5.5	4.5~5.5	5~15	5~15
Power Supply Current (mA)	180mA@5V	500mA@5V	130mA@5V	140mA@5V
Operating Temperature (°C)	-20~+70	-20~+70	-30~+70	-30~+70
RTC	***	***	***	***
Memory	128Mbits	128Mbits	128Mbits	128Mbits
Communication	TTL*2	TTL*2	50PIN FCC lead out CAN, UART, AD, IO	50PIN FCC lead out CAN, UART, AD, IO
Connector	10P1.0FPC	10P1.0FPC	50P05F	50P05F

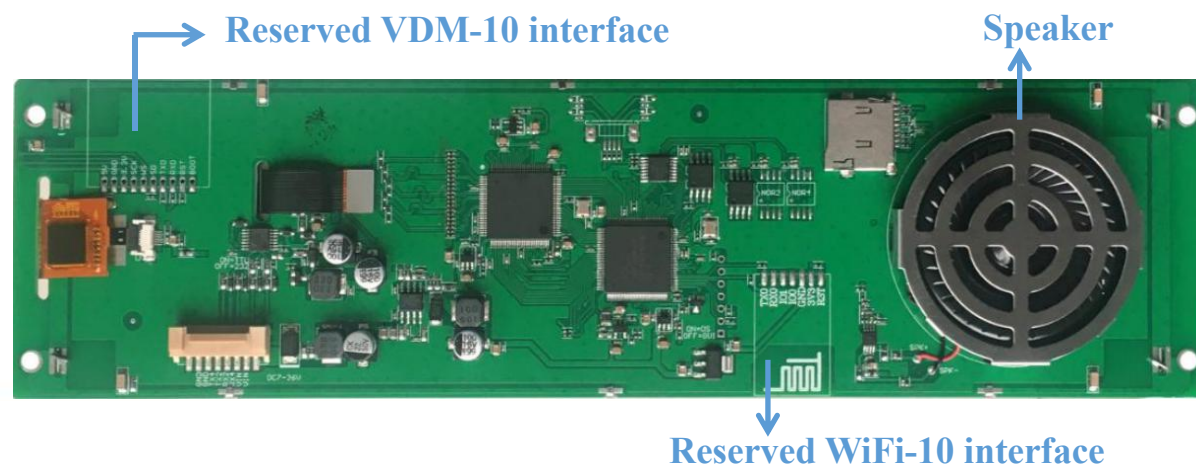
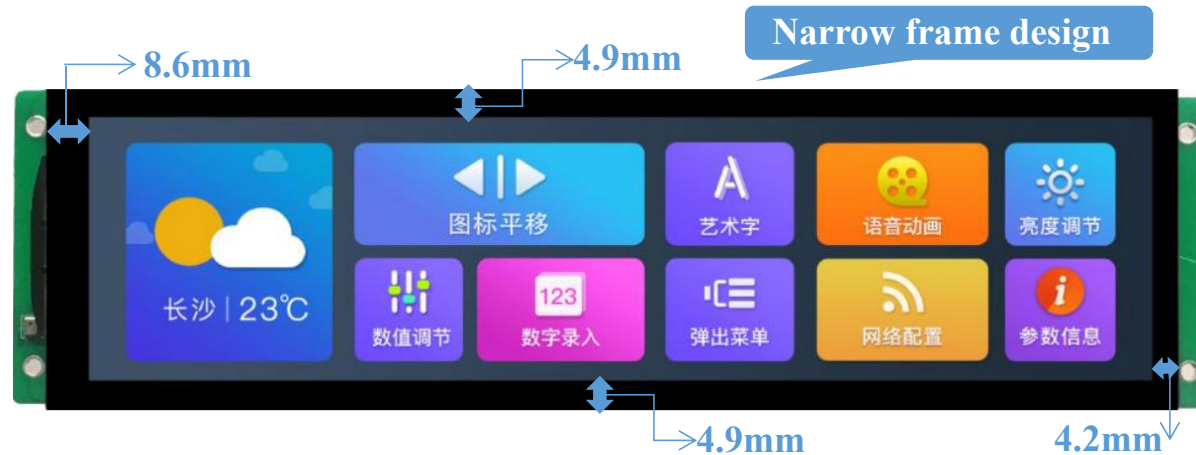


2 Product Catalog

2.2 Smart LCMs for AIoT Application

Model Number	DMG19480C088_03W	DMG10768C104_03W
Size	8.88	10.4
Shell	***	***
Aspect Ratio	4:1	4:3
LCD	IPS	IPS
TP	R4/CG	R4/CG
Development Mode	TA/DGUSII	TA/DGUSII
Active Area (mm)	218.9*54.7	211.2*158.4
Resolution (H*V)	1920*480	1024*768
Brightness (nit)	250	350
Power Supply Voltage (V)	6~15	7~36
Power Supply Current (mA)	600mA@5V	500mA@12V
Operating Temperature (°C)	-20~+70	-20~+70
RTC	***	***
Memory	256Mbits	256Mbits
Communication	TTL/232*1	TTL/232*1
Connector	8P20P	8P20P

With VDM-10 interface, WiFi-10 interface, speaker



2 Product Catalog

2.2 Smart LCMs for AIoT Application

Model Number	DMG13768C156_03W	DMG12480C068_03W
Size	15.6	6.86
Shell	***	***
Aspect Ratio	16:9	24:9
LCD	EWTN	IPS
TP	CG	R4/CG
Development Mode	TA/DGUSHII	TA/DGUSHII
Active Area (mm)	344.2*193.5	160.6*60.2
Resolution (H*V)	1364*768	1280*480
Brightness (nit)	250	250
Power Supply Voltage (V)	12~36	6~15
Power Supply Current (mA)	700mA@12V	400mA@5V
Operating Temperature (°C)	-10~+60	-20~+70
RTC	***	***
Memory	256Mbits	256Mbits
Communication	TTL/232*1	TTL/232*1
Connector	8P20P	8P20P

With WiFi-10 interface, speaker



2 Product Catalog

2.2 Smart LCMs for AIoT Application

Model Number	DMG72720C041_03WTC	DMG80480C043_02W	DMG12720C050_03WTC
Size	4.1	4.3	5
Shell	***	***	***
Aspect Ratio	1:1	16:9	16:9
LCD	IPS	IPS	IPS
TP	Incell	R4/CG	Incell
Development Mode	TA/DGUSII	TA/DGUSII	TA/DGUSII
Active Area (mm)	74.0*74.0	93.6*56.2	110.4*62.1
Resolution (H*V)	720*720	800*480	1280*720
Brightness (nit)	250	250	250
Power Supply Voltage (V)	4.5~5.5	4.5~5.5	4.5~5.5
Power Supply Current (mA)	400mA@5V	180mA@5V	400mA@5V
Operating Temperature (°C)	-20~+70	-20~+70	-20~+70
RTC	***	***	***
Memory	128Mbits	128Mbits	128Mbits
Communication	TTL*2	TTL*2	TTL*2
Connector	10P10F	10P10F	10P10F

With WiFi-10 interface, LCD is mainly made by DWIN



2 Product Catalog

2.3 Smart LCMs for Industrial Application

Model Number	DMG80480T070_A5WTR	DMG10600T070_A5WTC	DMT10600T070_A5WTC
Size	7	7	7
Shell	PS2	PS2	PS2
Aspect Ratio	16:9	16:9	16:9
LCD	TN	IPS	IPS
TP	R5	CG	R5/CGAV
Development Mode	TA/DGUSII	TA/DGUSII	DGUSII
Active Area (mm)	154.1*85.9	154.2*85.9	154.2*85.9
Resolution (H*V)	800*480	1024*600	1024*600
Brightness (nit)	250	300	300
Power Supply Voltage (V)	7~36	7~36	7~36
Power Supply Current (mA)	300mA@12V	300mA@12V	250mA@12V
Operating Temperature (°C)	-20~+70	-20~+70	-30~+70
RTC	FC	FC	FC
Memory	128Mbits	256Mbits	2Gbits
Communication	485*1+232*2	232*2+485*1+CAN*1	232/485*1+485*1+TTL*4
Connector	8P38P	8P38P+8P25P	8P38P+8P25P

DMG80480T070_A5WTR

Integrated resistive TP, built-in speaker, photoresistor, PCB three proofings.



DMG10600T070_A5WTC

Integrated capacitive TP, built-in speaker, 16IO, 4AD, photoresistor, WiFi optional, voice recognition module, PCB three proofings.



DMT10600T070_A5WTC

Integrated capacitive TP, with UV protection, with anti-glare, built-in speaker, 16IO, photoresistor, PCB three proofings.

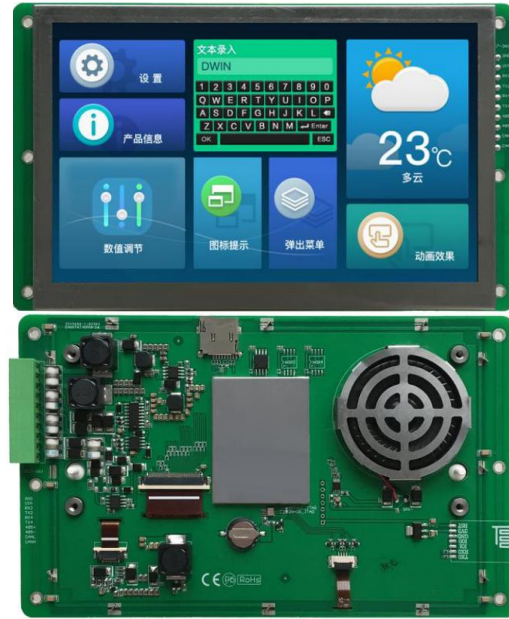


2 Product Catalog

2.5 Smart LCMs with ultra wide operating temperature (-40°C~+85°C)



DMT12720Q101_A2W

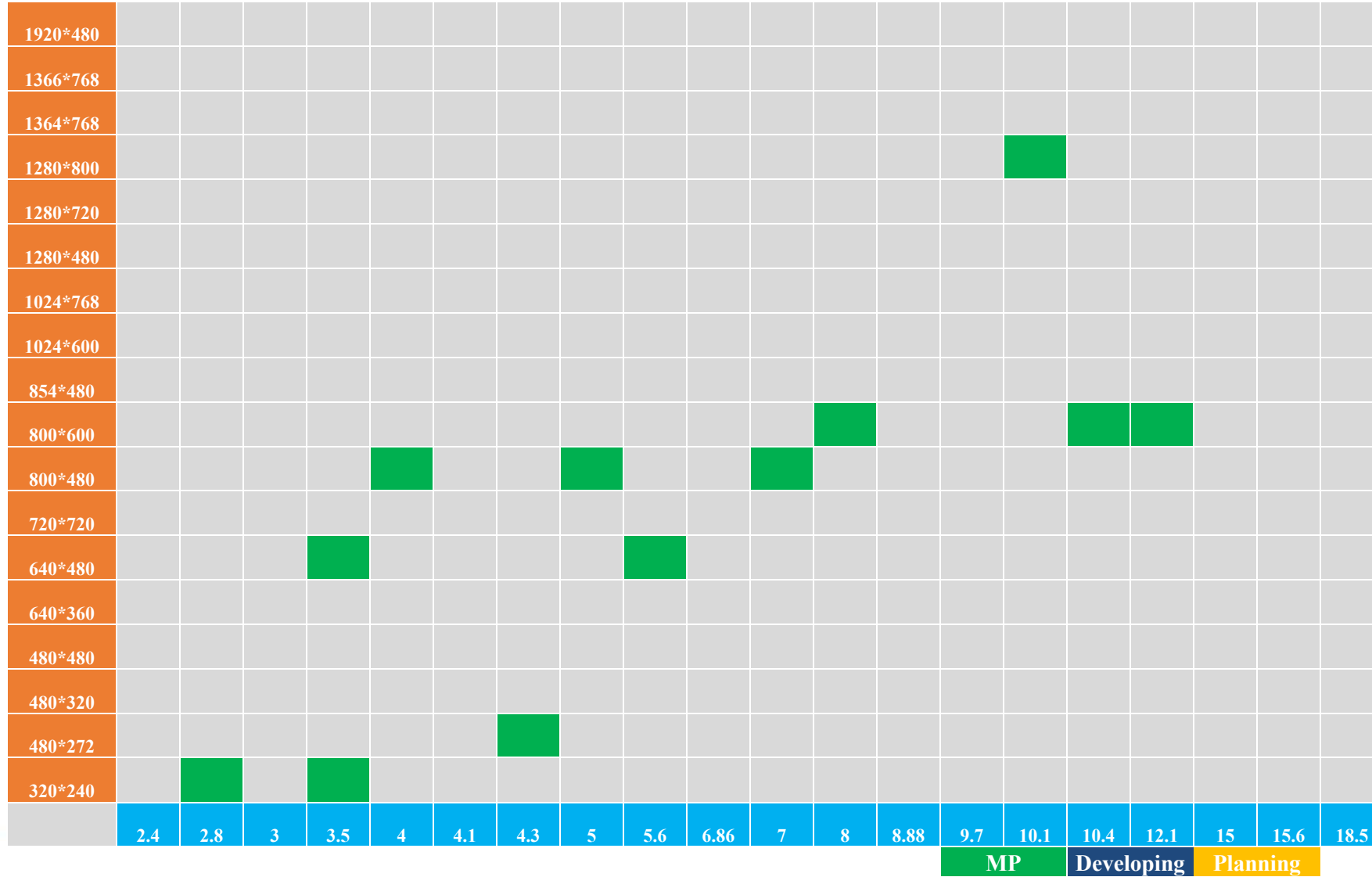


DMG80480S070-03W

Model Number	DMT12720Q101_A2W	DMG80480S070-03W
Size	10.1	7
Shell	***	***
Aspect Ratio	16:9	16:9
LCD	IPS	IPS
TP	CGAV	R4
Development Mode	DGUSII	TA/DGUSII
Active Area (mm)	223.7*125.8	152.4*91.4
Resolution (H*V)	1280*720	800*480
Brightness (nit)	750	1200
Power Supply Voltage (V)	8~40	7~36
Power supply Current (mA)	800mA@12V	400mA@12V
Operating Temperature (°C)	-40~+85	-40~+85
RTC	FC	FC
Memory	2Gbits	256Mbits
Communication	232*2+485*1	232*2+485*1+CAN*1
Connector	8P38P	10P38P

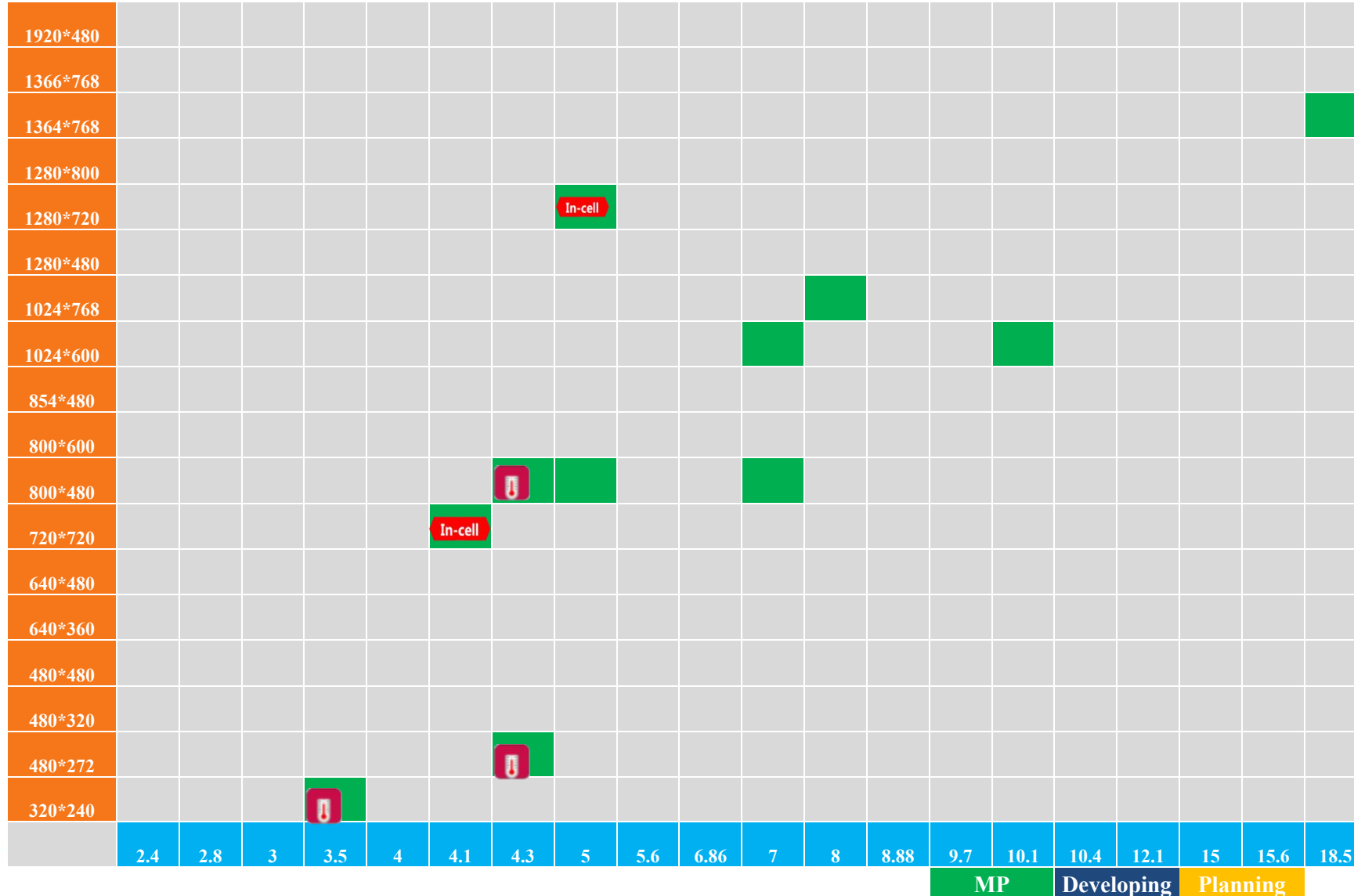
3 Roadmap

3.1 Simple Application



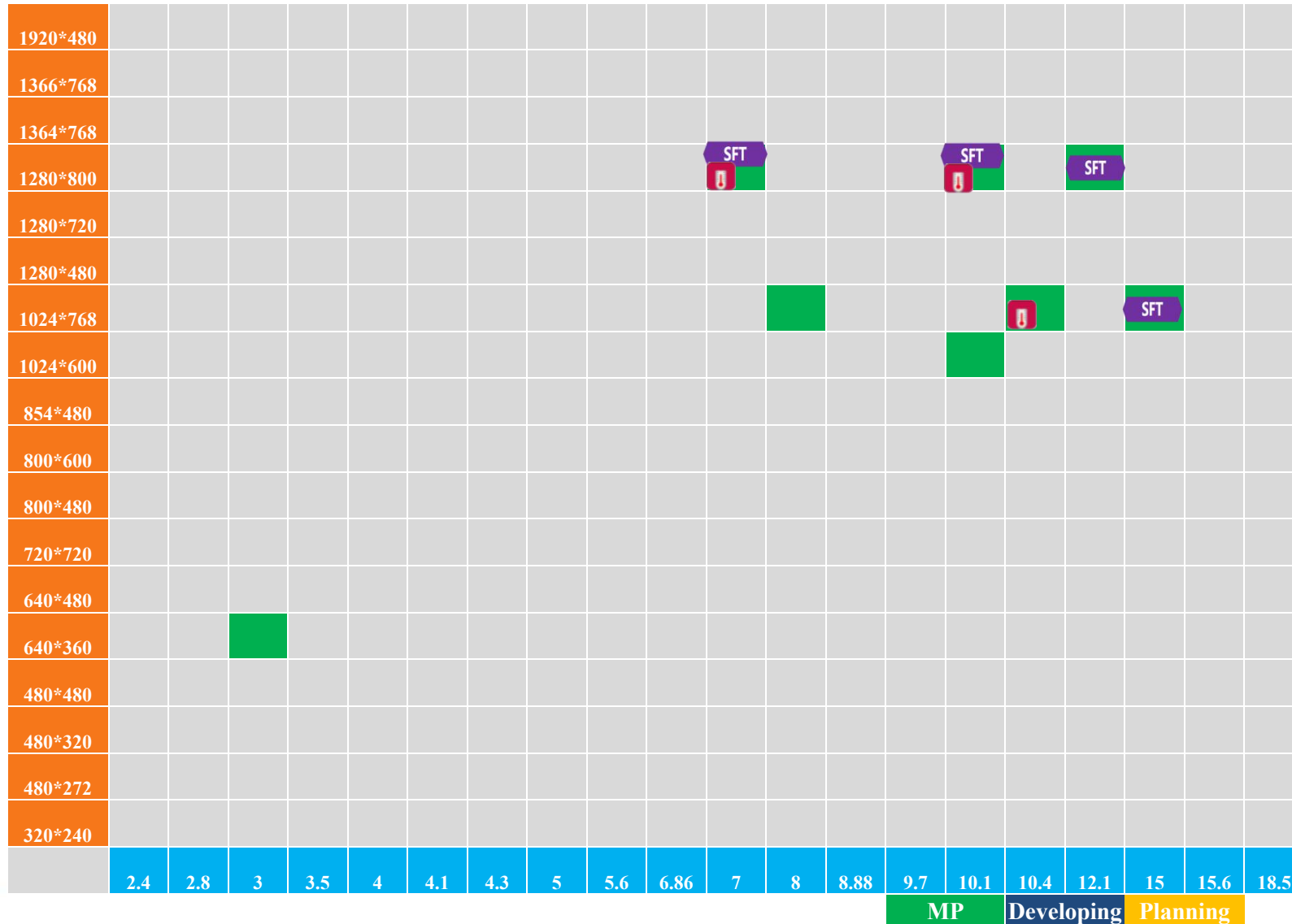
3 Roadmap

3.3 Industrial Grade



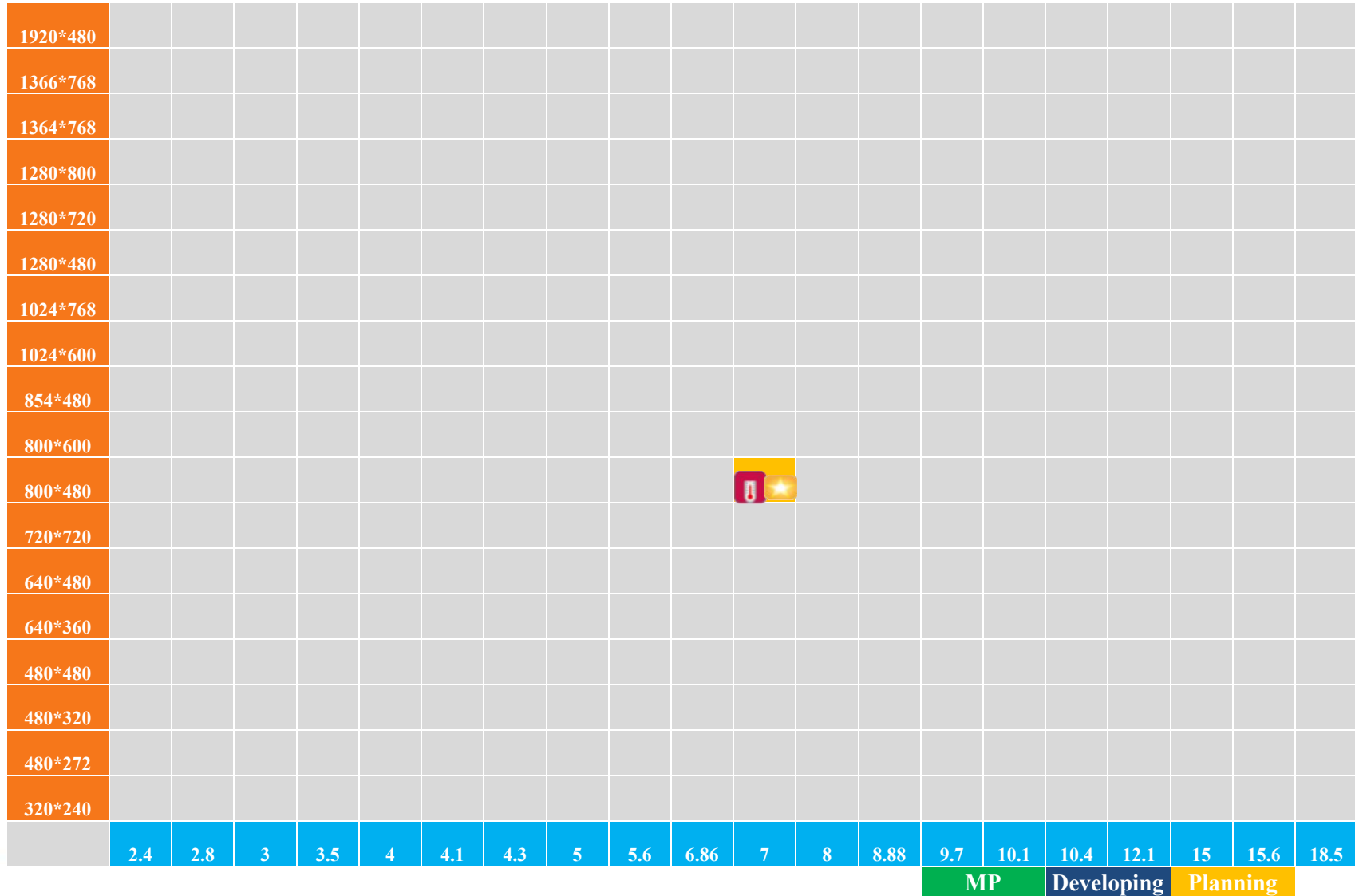
3 Roadmap

3.4 Medical Grade



3 Roadmap

3.5 Military Grade



4 Customizable Projects

Customizable

Capacitive TP

Customizable

Resistive TP

Customizable

LCD brightness

Customizable

Communication interface

Customizable

Lead out IO/ADC/PWM peripheral interfaces

Customizable

PCB shape

THANK YOU

