



# General Display Solution Display Product Roadmap

**AU Optronics GDBU**  
**2019. Q1**

# GD(General Display)



## Commercial



- POS / mPOS / Lottery
- ATM / VTM
- Kiosk
- e-Shelf
- Finger Print

## Industrial



- HMI
- Construction / Agriculture
- Multi-Function Printer
- Home Networking
- Finger Print

## Transportation



- Subway Gateway
- Train
- Aviation (IFE)
- Marine



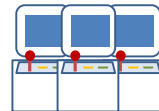
## Health Care



- Surgical
- Ultrasound
- Diagnostic display
- X-ray

## Gaming / Amusement

- Gaming
- Pachinko



## Consumer



- Printer
- DSC
- PND
- E-reader

# AUO GD Value-up Solution



- Our target is to deliver the best total solution to help our customers keep their leading position in their business.



Diverse and Innovative Solution



Flexible Production Line



AI MFG & Lab Resource



Simplify the Logistic Route



Longevity Support 3years\* min.

# GD Diversity and Innovation Solution



POS



HMI



IFE



Medical



On-cell Touch

Super Narrow Border

Total solution

High Resolution (4K)

High Color Gamut

Long LED Life

Wide Temperature

High Reliability

Projective Capacitive Touch

High Contrast Ratio

High Brightness

Low Color Shift

# Leading Technology Provider



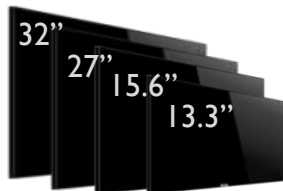
- Developing leading technology and total solution.

## 4K

- Vivid and lifelike picture quality

XGA 1024 x 768

UHD 4K: 3840 x 2160



## WCG (Wide color gamut)

- Rich and saturated colors

Conventional

WCG



\* note: NTSC > 87%

## SNB & borderless

- SNB (super narrow bezel)**

- AA to OD  $\leq$  5mm

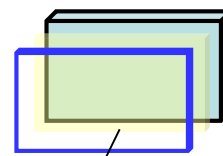
- Borderless**

- edge-to-edge borderless design

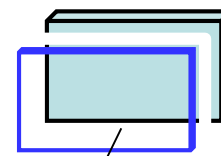


## High-end LCM solution

- Touch panel integration (air bonding/ direct bonding)



Direct Bonding OCR/  
OCA



Double Side Tape



# Display Technology



- Diversified display technology achieves the differentiation for each domain and application.

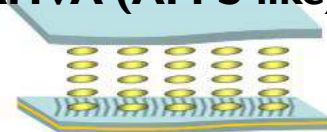
CR $\square$  1000:1

AHVA

Viewing Angle: 89/89/89/89

Color Shift:  $\Delta u'v' < 0.03 @ 60^\circ$

AHVA (AFFS-like)

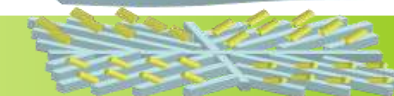


CR $\square$  3000:1

AMVA3

Viewing Angle: 89/89/89/89

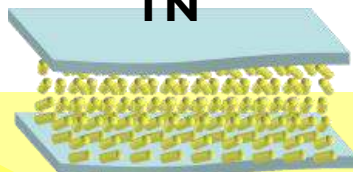
PSA (AMVA3)



CR $\square$  800:1

Viewing Angle: 80/80/70/70

TN



HMI/POS/ATM

CR $\square$  2000:1

MVA

Viewing Angle: 89/89/89/89

MVA



Multi-media / Gaming

Medical

# Touch Solution



- Diverse touch solution, and more industry-oriented design.

## Touch solution

- G/G, OGS, GFF, oTP
- Size range: 5"~32"



## Cover Lens Surface Treatment

- Cutting / Grinding / Drilling
- icon/ BM design/ logo added
- Anti-Reflection, Anti-Glare, Anti-Smudge



## IC performance



**Glove**  
Max. 3mm

**CS Test**  
10V 2pts  
IEC61004-4-6  
150KHz~80MHz

**Cover Lens**  
Max. 3mm

**AUO**

**Palm Rejection**  
Max. 10 x10 cm<sup>2</sup>

**Stylus**  
Passive Pen,  
6mm

**Water Proof**  
• Pass Rain Test  
• 10% Salt Water



# Flexible Production Line



- Flexible fab capability to fulfill small-volume and large-variety production.
- G3.5 for customized model.

G3.5

1.2"×255

600×720 mm



G4

7"×32

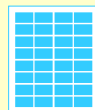
680×880 mm



G4.5

1.2"×360

730×920 mm



G5

15.6"×18  
23.8"×8  
27"×6

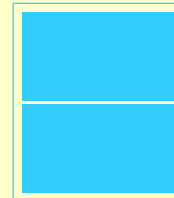
1100×1300 mm



G6

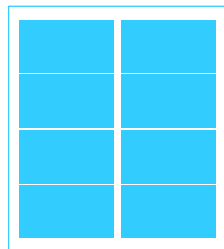
5.99"×240  
21.5"×18  
65"×2

1500×1850 mm



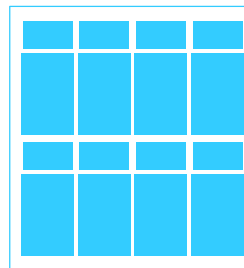
G7.5

43"×8  
50"×6  
75"×2  
85"×2  
1950×2250 mm



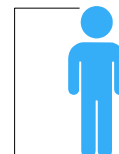
G8.5

43"×8+21.5"×8  
(Hybrid)  
55"×6  
2200×2500 mm



2500mm  
2000mm  
1500mm  
1000mm  
500mm

1700mm





# Longevity Support






- GD provides min. 3years product longevity from mass production.

## Standards

Min.  YEARS

- ✓ Long-term Product Support
- ✓ Smooth EOL Procedure
  - Announce EOL earlier than one year
  - Product continuity with ME/EE interface compatibility

## Global Reach for Prompt Support

 HQ	 I4 DISPLAY MFGs	 2 PV MFGs	 REGIONAL OFFICES	 SERVICE POINTS
TAIWAN Hsinchu	TAIWAN Linkou Longke Longtan Hsinchu Houli Taichung Tainan Kaohsiung	CHINA Kunshan Suzhou Xiamen SINGAPORE SLOVAKIA	TAIWAN Taichung CZECH CHINA JAPAN NETHERLANDS SINGAPORE SOUTH KOREA USA	CHINA CZECH FRANCE GERMANY HUNGARY INDIA ITALY JAPAN MALAYSIA MEXICO NETHERLANDS POLAND SINGAPORE SLOVAKIA SOUTH KOREA THAILAND USA

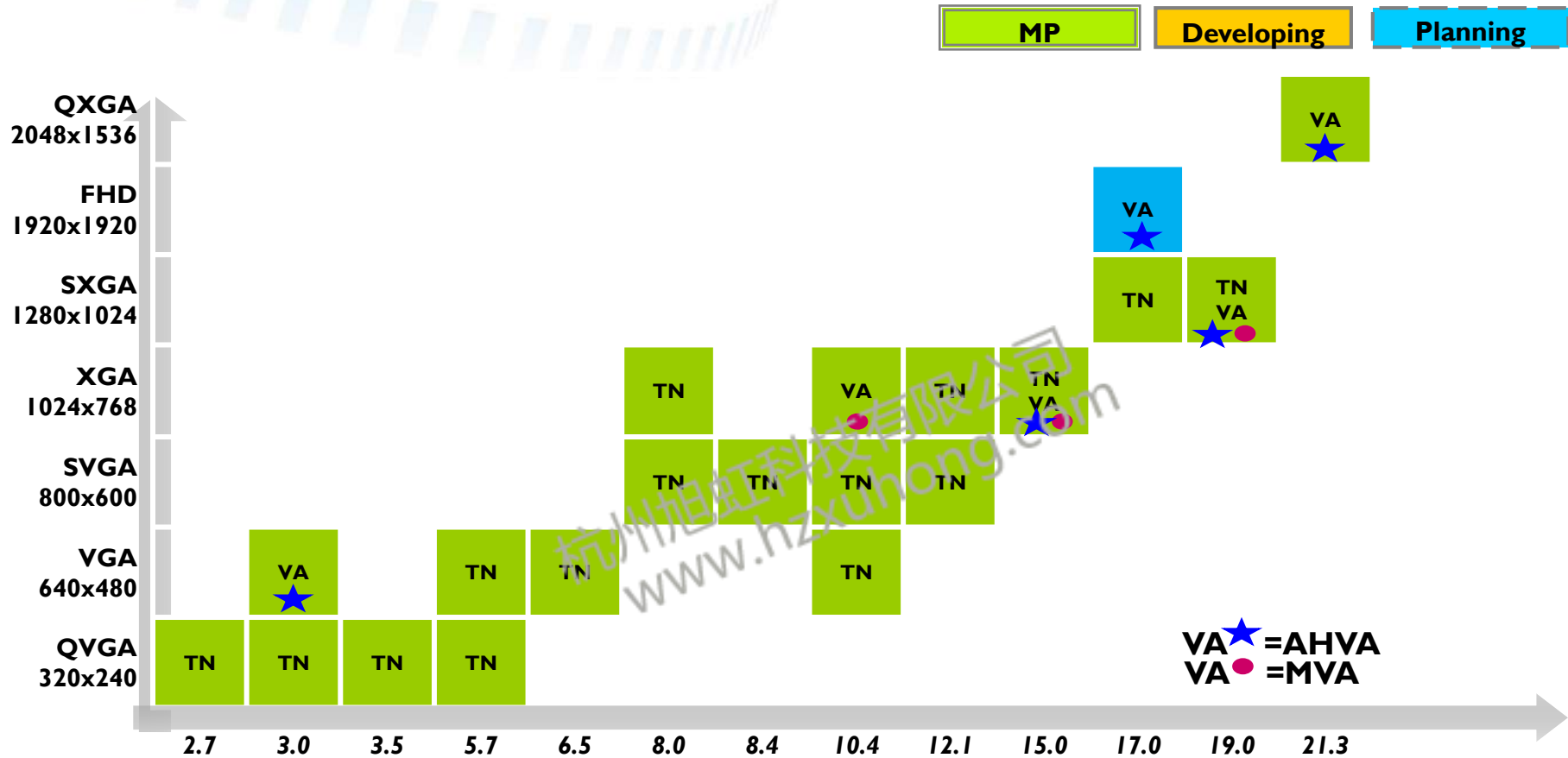


Our commitment to sustainability

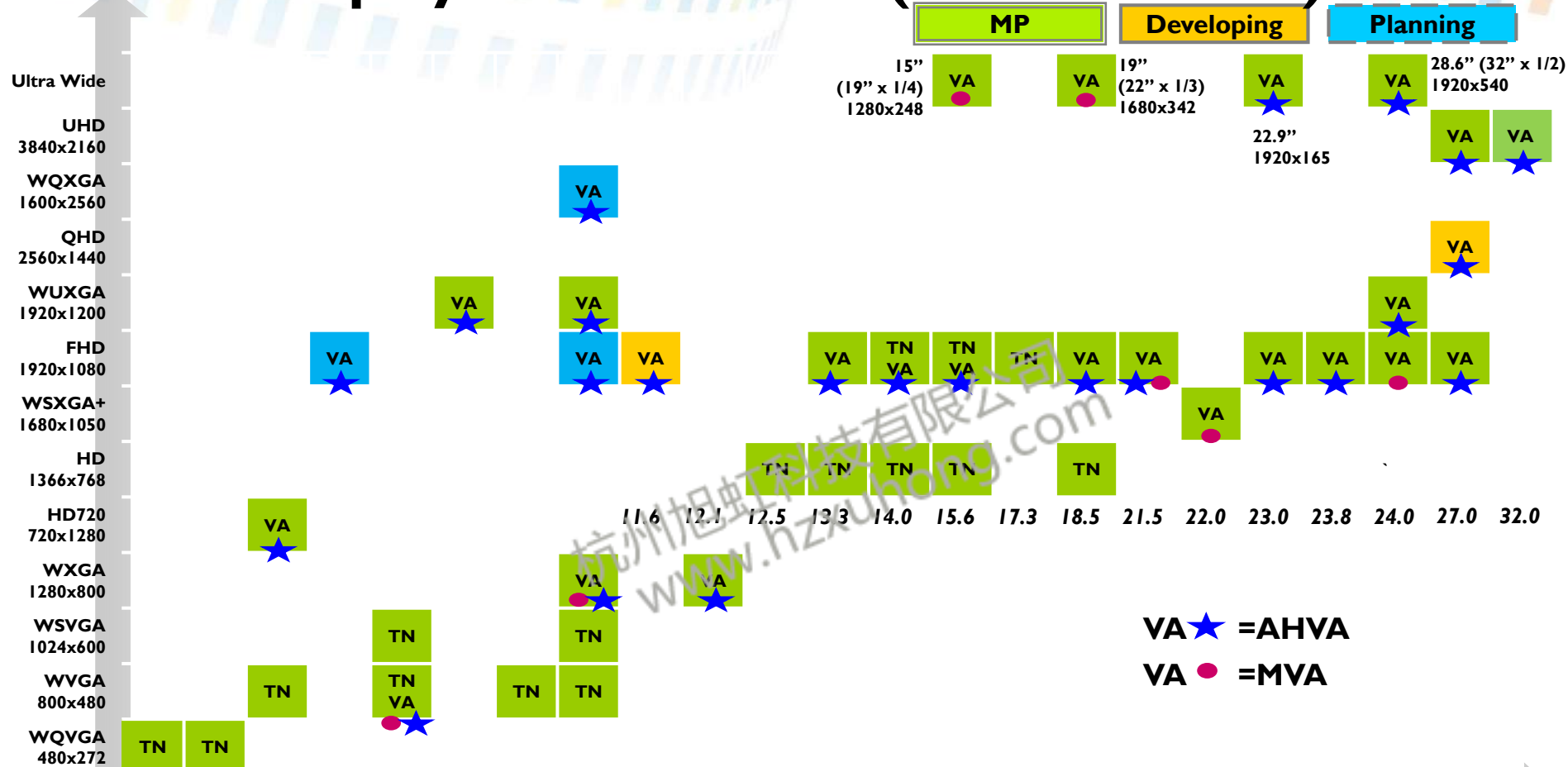
# GD LCD Product Roadmap

杭州旭虹科技有限公司  
[www.hzxuhong.com](http://www.hzxuhong.com)

# General Display LCM Product (Square Format)



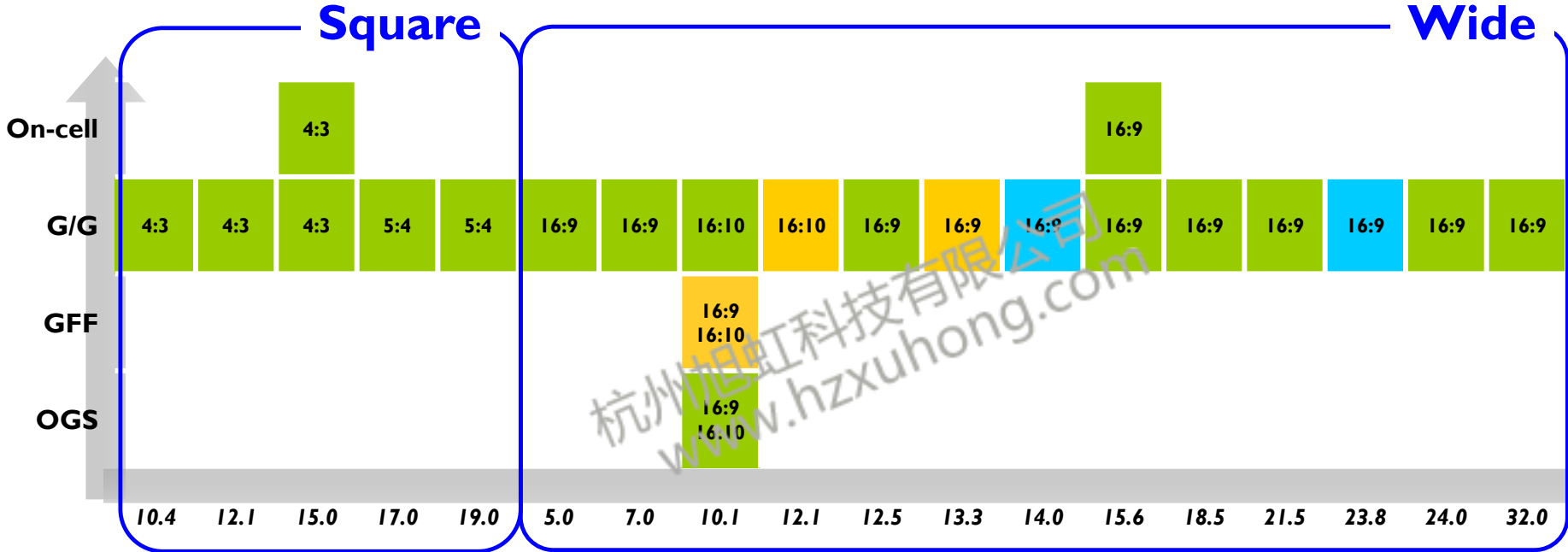
# General Display LCM Product (Wide Format)



# General Display P-Cap Touch Panel Line Up



MP    Developing    Planning



杭州旭虹科技有限公司  
www.hzxuhong.com

# 2.7"~3" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

2.7"

QVGA

320x240

(Delta)

Oct.14

**A027DTN01.9**

310 nits, 120/110

0~60 °C, 10K

Digital, 6bit+FRC, w/o D.

3.0"

QVGA

320x240

(Delta)

Oct.13

**A030DTN01.2**

300 nits, 120/110

0~60 °C, 10K

Digital, 6bit+FRC, w/o D.

3.0"

VGA

680x480

Apr.18

**A030VAN03.0**

550 nits, 170/170

-10~60 °C, 10K

Digital, 8bit w/o D.



w/o D. without LED Driver



# 3.5”~4.3” Models

MP

Developing

Planning

MP

2019 H1

2019 H2

3.5”  
QVGA  
320x240

**Jul.11**  
**A035QN05 VI**  
300 nits, 120/105  
-10~70 °C, 10K  
Digital, 6bit+FRC, w/o D.

**Feb.17**  
**A035QN02 VG**  
430 nits, 120/105  
-20~70 °C, 10K  
Digital, 6 bit, w/o D.

4.0”  
WQVGA  
480X234  
(Delta)

**Nov.08**  
**A040CN01 V3**  
300 nits, 90/40  
0~60 °C, 10K  
Analog, w/o D.

● EOL: Oct. 2019

4.3”  
WQVGA  
480x272

**Apr.18**  
**G043FTN01.0**  
550 nits, 160/120  
-20~70 °C, 20K  
Digital, 6bit+FRC, w/o D.  
RS

**G043FTN0x.x**  
450 nits, 130/105  
-20~70 °C, 50K  
Digital, 6bit+FRC, w/o D.  
RS

w/o D. without LED Driver      RS Reverse Scan

# 5"/ 5.46" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

Oct.14

**G050VTN01.1**

1000 nits, 150/140  
-20~70 °C, 40K  
Digital, 6bit+FRC, w/o D.



Aug.15

**G050VTN01.0**

370 nits, 150/140  
-20~70 °C, 20K  
Digital, 6bit+FRC, w/o D.

Sep.18

**G050TAN01.0**

600 nits, 178/178  
-20~70 °C, 10K  
mipi, 8bit, w/o D.



**G055HAN0x.x**

500 nits, 178/178  
-20~70 °C, 10K  
mipi, 8bit, w/o D.



5.0"  
WVGA  
800x480

5.0"  
HD720  
720\*1280

5.46"  
FHD  
1080\*1920



MIPI interface

w/o D. without LED Driver

# 5.7" / 6.5" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

5.7"  
QVGA  
320x240

Oct.11

**G057QN01 V2**

800 nits, 160/140  
-30~85 °C, 50K  
Digital, 6bit

WT RS RL



Jan.14

**G057QTN01.0**

500 nits, 160/140  
-30~85 °C, 50K  
Digital, 6bit

WT RS RL

5.7"  
VGA  
640x480

Nov.11

**G057VN01 V2**

700 nits, 160/140  
-30~85 °C, 50K  
Digital, 6bit

WT RS RL



Oct.12

**G057VTN01.0**

530 nits, 160/140  
-30~85 °C, 50K  
Digital, 6bit

WT RS RV

Aug.14

**G057VTN01.1**

550 nits, 160/140  
-30~85 °C, 50K  
Digital, 6bit

WT RS

6.5"  
VGA  
640x480

Oct.09

**G065VN01 V2**

800 nits, 160/140  
-30~80 °C, 50K hrs  
LVDS, 6bit+FRC

RS RL



Wide Temperature



Replaceable Lightbar



Reverse Scan



Highly Vibration Reliability



High Brightness

# 7" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

7.0"  
WVGA  
800X480

7.0"  
WSVGA  
1024X600

Apr.09

**G070VW01 V0**

400 nits, 160/160  
-30~85 °C, 50K  
LVDS, 6/6bit+FRC

WT RS RL

Jul.14

**G070VVN01.2**

600 nits, 160/160  
-20~70 °C, 30K, 72%  
Digital, 6/6bit+FRC, w/o D.

AMVA3 RS

Q2.19

**G070VAN01.0**

400 nits, 178/178  
-20~70 °C, 50K  
LVDS, 6bit+FRC, w/o D.

AMVA

Feb.11

**A070VW08 V2**

500 nits, 130/110  
-20~70 °C, 10K  
Digital, 6bit+Hi-FRC, w/o D.

Jan.14

**G070VTN01.0**

300 nits, 130/110  
-20~70 °C, 30K  
LVDS, 6/6bit+FRC, w/o D.

Jun.18

**A070VTN06.4**

500 nits, 150/120  
-30~80 °C, 50K  
Digital, 6bit+FRC, w/o D.

WT

Nov 16

**A070VTN06.1**

1250 nits, 120/100  
-20~70 °C, 10K  
Digital, 16bit, w/o D.



Oct.14

**B070ATN01.0**

350 nits, 150/145  
-20~60 °C, 15K  
LVDS, 6bit+FRC, w/o D.

Jun.18

**B070ATN01.2**

350 nits, 150/145  
-20~60 °C, 20K  
LVDS, 6bit+FRC, w/o D.

EOL: Oct. 2019



Wide Temperature



Reverse Scan



Replaceable Lightbar

w/o D. without LED Driver



High Brightness

# 8" Model

MP

Developing

Planning

MP

2019 H1

2019 H2

8"

SVGA

800x600

Jul. 15

**A080STN01.0**

250 nits, 140/135

-10~60 °C, 10K

Digital, 6bit+FRC w/o D.

8"

XGA

1024x768

Dec. 18

**A080XTN01.5**

300 nits, 140/130

-10~60 °C, 15K

LVDS, 8bit, w/o D.

8"

WUXGA

1200x1920

Jun. 18

**G080UAN01.0**

500 nits, 178/178

-10~60 °C, 20K

mipi 8bit, w/o D.



Q2.19

**G080UAN01.2**

800 nits, 178/178

0~50 °C, 15K

mipi 8bit, w/o D.



MIPI interface

w/o D. without LED Driver



High Brightness

# 8.4" /9" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

8.4"  
SVGA  
800x600

**G084SN03 V3** Dec.11

250 nits, 160/140  
-20~70 °C, 30K  
LVDS, 6bit+FRC

WT RS RL

**G084SN05 V9** Nov.11

450 nits, 160/140  
-30~85 °C, 50K  
LVDS, 6bit+FRC

WT RS RL

**G084SN05 V904** Nov.18

450 nits, 160/140  
-30~80 °C, 50K  
LVDS, 6bit+FRC

WT RS RL

9"  
WVGA  
800x480

**A090VW01 V3** Jun.12

250 nits, 140/125  
-10~60 °C, 10K  
Digital, 6bit+Hi-FRC, w/o D.

WT

**G090VTN02.0** Feb.13

300 nits, 140/120  
-20~75 °C, 20K  
Digital, 6bit+Hi-FRC

RS

● EOL: Mar. 2019

WT Wide Temperature

RS Reverse Scan

RL Replaceable Lightbar

w/o D. without LED Driver



# 10.1" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

10.1"  
WVGA  
800x480

Jul.09

**AI01VW01V3**  
300 nits, 130/110  
-10~60 °C, 20K  
Digital, 6bit, w/o D.  
RS

Jan.15

**GI01STN01.0**  
250 nits, 140/120  
-10~60 °C, 15K  
LVDS, 6bit+Hi-FRC

Aug.15

**GI01STN01.4**  
350 nits, 140/120  
-10~60 °C, 50K  
LVDS, 6bit+Hi-FRC

May.18

**GI01STN01.5**  
250 nits, 140/120  
-10~60 °C, 15K  
LVDS, 6bit+Hi-FRC  
RS

Jun.18

**GI01STN01.A**  
300 nits, 140/120  
-10~60 °C, 20K  
LVDS, 6bit+Hi-FRC  
RS

Oct.15

**GI01STN01.2**  
350 nits, 140/120  
-10~60 °C, 30K  
Digital, 6bit+Hi-FRC, w/o D.

Dec.18

**GI01STN01.D**  
450 nits, 140/120  
-10~60 °C, 50K  
LVDS, 6bit+Hi-FRC

Q1.19

**GI01STN01.C**  
500 nits, 140/120  
-30~80 °C, 50K  
LVDS, 6bit+Hi-FRC  
WT



Wide Temperature



Reverse Scan

w/o D. without LED Driver

# 10.1" Models



MP

Developing

Planning

10.1"  
WXGA  
1280x800

MP

Apr.13

**G101EVN01.0**

300 nits, 170/170  
-20~60 °C, 15K  
LVDS, 6bit



Apr.16

**G101EVN01.3**

500 nits, 170/170  
-20~70 °C, 50K  
LVDS, 6bit+FRC



Jun. 18

**G101EVN01.5**

400 nits, 170/170  
-20~60 °C, 15K  
LVDS, 6bit+FRC



Dec. 17

**G101EVN03.1**

1000 nits, 170/170  
-20~60 °C, 50K  
LVDS, 6bit+FRC, w/o D.



2019 H1

Q3. 19

**G101EAN02.1**

400 nits, 178/178  
-20~60 °C, 20K  
LVDS, 6bit+FRC



2019 H2

**G101EAN02.x**

500 nits, 178/178  
-20~70 °C, 50K  
LVDS, 6bit+FRC



**G101EAN0y.y**

400 nits, 178/178  
-20~60 °C, 20K  
eDP, 6bit+FRC



**G101EVN02.x**

1500 nits, 170/170  
-30~80 °C, 50K  
LVDS, 8bit



Q3. 19

**G101EAN01.0**

350 nits, 178/178  
0~50 °C, 15K  
mipi 8bit, w/o D.



10.1"  
WXGA  
800x1280



High Brightness



eDP embedded Display Port interface



mipi MIPI interface

w/o D.

without LED Driver

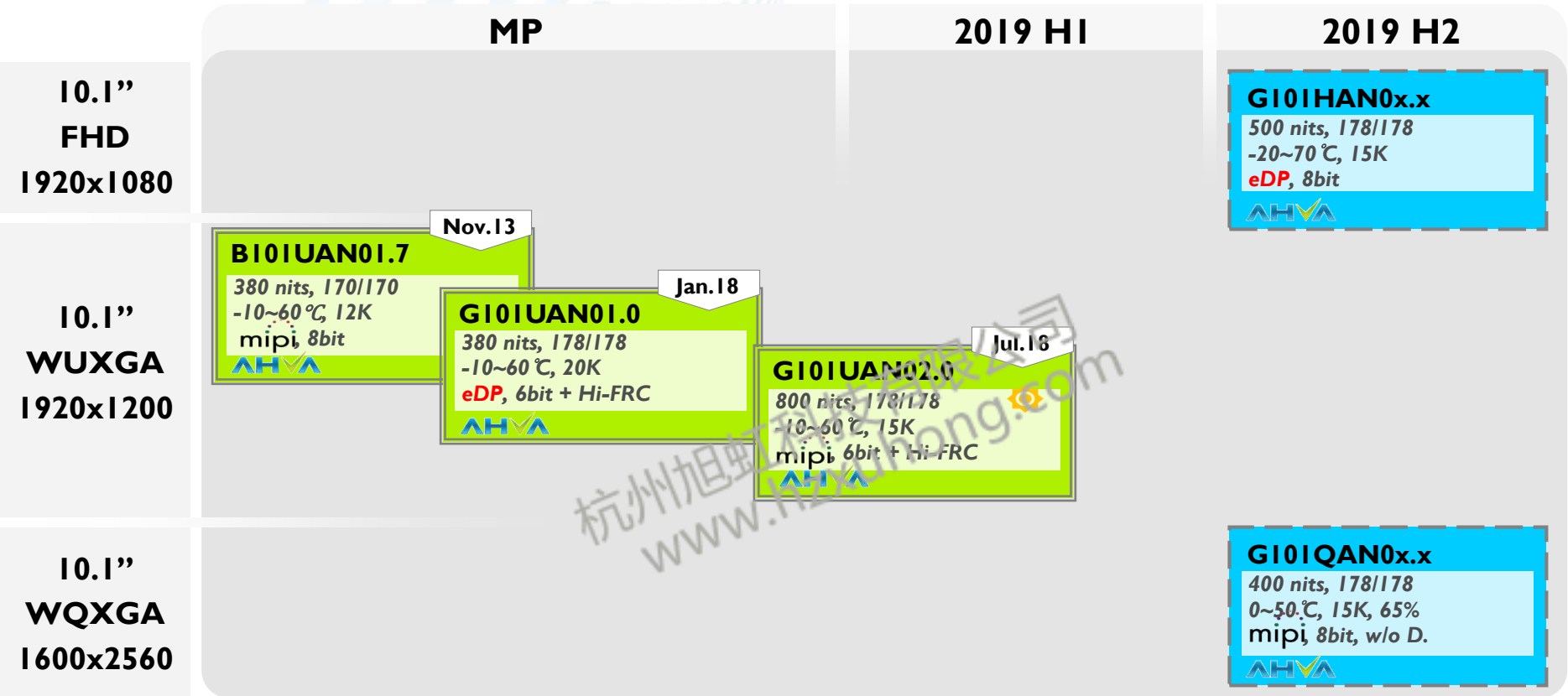
# 10.1" Models



MP

Developing

Planning



Nov.13

Jan.18

Jul.18

杭州旭晶光电有限公司  
www.hzxc.com

eDP embedded Display Port interface    mipi MIPI interface    High Brightness    w/o D. without LED Driver

# 10.4" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

10.4"  
VGA  
640x480

May.09

**GI04VN01 V1**  
450 nits, 160/140  
-30~85 °C, 50K  
LVDS, 6bit+FRC

WT RS RL

10.4"  
SVGA  
800x600

Dec.08

**AI04SN03 V1**  
350 nits, 150/110  
-10~60 °C, 10K  
Digital, 8bit, w/o D.

Oct.11

**GI04SN03 V5**  
230 nits, 160/130  
-20~70 °C, 30K  
LVDS, 6bit+FRC

WT RS RL

Jan.14

**GI04STN01.0**  
400 nits, 160/130  
-30~80 °C, 50K  
LVDS, 6bit-FRC

WT RS RL

10.4"  
XGA  
1024x768

Jul.13

**GI04XVN01.0**  
470 nits, 178/178  
-30~80 °C, 50K  
LVDS, 6bit+FRC

WT RS AMVA3

WT Wide Temperature    RS Reverse Scan    RL Replaceable Lightbar    w/o D. without LED Driver

# 11.6" Model



MP

Developing

Planning

MP

2019 H1

2019 H2

11.6"  
FHD  
1920x1080

Flat Type

Q2. 19

**G116HAN01.0**  
300 nits, 178/178  
0~50°C, 15K  
eDP 8bit  
AUO

**eDP** embedded Display Port interface

# 12.1" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

12.1" SVGA  
800x600

**GI21SN01 V4** May.09  
450 nits, 160/140  
-30~85 °C, 50K  
LVDS, 6/6bit+FRC  
WT RS RL

**GI21STN01.0** Aug.12  
300 nits, 160/140  
-30~85 °C, 30K  
LVDS, 6/6bit+FRC  
WT RS RL

**GI21SN01 V403** Apr.16  
500 nits, 160/140  
-30~85 °C, 50K  
LVDS, 6/6bit+FRC  
WT RS

**GI21STN02.0** Q2.19  
500 nits, 160/140  
-30~85 °C, 50K  
LVDS, 6/6bit+FRC  
WT RS

12.1" XGA  
1024x768

**GI21XN01 V0** May.10  
500 nits, 160/160  
-30~85 °C, 50K, 70%  
LVDS, 6/6bit+FRC  
WT RS RL RGBW

**GI21XTN01.0** Mar.14  
500 nits, 160/160  
-30~85 °C, 50K, 72%  
LVDS, 6/6bit+FRC  
WT RS RL RGBW

**GI21XN01 V001** Jun.16  
500 nits, 160/140  
-30~85 °C, 50K, 72%  
LVDS, 6/6bit+FRC  
WT RS

WT Wide Temperature    RS Reverse Scan    RL Replaceable Light bar    RGBW RGBW pixels



# 12.1" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

Apr.17

**G121EAN01.0**  
500 nits, 178/178  
-30~85 °C, 70K, 72%  
LVDS, 6/6bit+Hi-FRC  
WT AHVA

Apr.17

**G121EAN01.1**  
400 nits, 178/178  
-30~85 °C, 50K, 72%  
LVDS, 6/6bit+Hi-FRC  
WT AHVA

Q2.19

**G121EAN01.4**  
300 nits, 178/178  
-30~85 °C, 30K, 72%  
LVDS, 6/6bit+Hi-FRC  
WT AHVA

Jun.18

**G121EAN01.2**  
1000 nits, 178/178  
-30~85 °C, 50K, 72%  
LVDS, 6/6bit+Hi-FRC  
WT AHVA

May.18

**G121EAN01.3**  
1500 nits, 178/178  
-30~85 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC, w/o D.  
WT AHVA

12.1"  
WXGA  
1280x800

WT Wide Temperature

High Brightness

# 12.5" / 13.3" / 14" HD Models



MP

Developing

Planning

MP

2019 H1

2019 H2

12.5"  
HD  
1366x768

Mar.16

**B125XTN03.0**

300 nits, 140/120  
0~50 °C, 15K  
eDP, 6bit

Flat Type

13.3"  
HD  
1366x768

Sep.17

**G133XTN01.2**

300 nits, 140/110  
-20~60 °C, 20K  
LVDS, 6bit+FRC

Flat Type

14.0"  
HD  
1366x768

Aug.17

**G140XTN01.0**

220 nits, 90/50  
0~50 °C, 15K  
eDP, 6bit

Flat Type

**eDP** embedded Display Port interface

# 13.3" / 14" FHD Models



MP

Developing

Planning

MP

2019 H1

2019 H2

13.3"  
FHD  
1920x1080

Jul.16

**GI33HAN01.0**

400 nits, 178/178  
0~70 °C, 50K, 90%  
LVDS, 8bit



Feb.19

**GI33HAN02.0**

400 nits, 178/178  
0~50 °C, 30K  
eDP, 6bit+FRC



Flat Type

14.0"  
FHD  
1920x1080

Apr.18

**GI40HAN01.1**

400 nits, 178/178  
0~50 °C, 50K, 72%  
eDP, 6bit+FRC



Aug.18

**BI40HTN01.2**

300 nits, 90/50  
0~50 °C, 15K,  
eDP, 6bit

Flat Type

**eDP** embedded Display Port interface

**Slim** Slim thickness

# 15" Models

MP

Developing

Planning

MP

Mar.17

## GI50XTN03.6

250 nits, 90/60  
0~65 °C, 50K  
LVDS, 6bit+FRC

Slim

Apr.17

## GI50XTN03.7

250 nits, 90/60  
0~65 °C, 50K  
eDP, 6bit+FRC

Slim

Nov.16

## GI50XTN03.4

350 nits, 160/150  
0~65 °C, 50K  
eDP, 6bit+FRC

Slim

Nov.16

## GI50XTN03.5

350 nits, 160/150  
0~65 °C, 50K  
LVDS, 6bit+FRC

Slim

2019 H1

2019 H2

Nov.17

## GI50XTN03.8

400 nits, 160/150  
0~60 °C, 50K  
eDP, 6bit+FRC

Slim 6.8+

15"  
XGA  
1024x768  
(TN)

eDP embedded Display Port interface

Slim thickness

# I5" Models (WT)

MP

Developing

Planning

## MP

## 2019 H1

## 2019 H2

I5"  
XGA  
1024x768  
(TN)

<p><b>GI50XTN06.0</b> <span style="float:right">Sep.14</span></p> <p>450 nits, 160/150 -30~85 °C, 50K LVDS, 6bit+FRC</p> <p> </p>	<p><b>GI50XTN06.6</b> <span style="float:right">Apr.17</span></p> <p>450 nits, 160/150 -30~85 °C, 50K eDP, 6bit+FRC</p> <p> </p>	<p><b>GI50XTK01.0</b> <span style="float:right">Apr.18</span></p> <p>390 nits, 160/150 -30~85 °C, 50K LVDS, 6bit+FRC</p> <p> </p>
<p><b>GI50XTN06.1</b> <span style="float:right">Sep.14</span></p> <p>500 nits, 160/150 -20~70 °C, 50K LVDS, 6bit+FRC</p> <p> </p>	<p><b>GI50XTN06.8</b> <span style="float:right">Apr.17</span></p> <p>450 nits, 160/150 -30~85 °C, 50K LVDS, 6bit+FRC</p> <p> </p>	
<p><b>GI50XTN06.2</b> <span style="float:right">Mar.15</span></p> <p>300 nits, 160/150 -30~85 °C, 50K LVDS, 6bit+FRC</p> <p></p>	<p><b>GI50XTN06.5</b> <span style="float:right">Mar.16</span></p> <p>300 nits, 160/150 -20~70 °C, 50K LVDS, 6bit+FRC</p>	
<p><b>GI50XTN06.4</b> <span style="float:right">Nov.15</span></p> <p>400 nits, 160/150 -30~85 °C, 50K LVDS, 6bit+FRC</p> <p> </p>	<p><b>GI50XTN06.7</b> <span style="float:right">Apr.17</span></p> <p>350 nits, 160/150 -30~85 °C, 50K eDP, 6bit+FRC</p> <p> </p>	

eDP embedded Display Port interface    WT Wide Temperature    RL Replaceable Lightbar    RS Reverse Scan

# 15" Models (WT)



MP

Developing

Planning

MP

2019 H1

2019 H2

15"  
XGA  
1024x768  
(TN)

**Mar.17**

**GI50XTN06.3**

1600 nits, 160/150  
-30~70 °C, 50K  
LVDS, 6bit+FRC

AR

**Nov.18**

**GI50XTN06.A**

1800 nits, 160/150  
-30~70 °C, 50K  
LVDS, 6bit+FRC

Slim AR

**Dec.17**

**GI50XTN06.9**

1600 nits, 160/150  
-30~70 °C, 50K  
LVDS, 6bit+FRC

Slim

**Q1.19**

**GI50XTN06.B**

800 nits, 160/150  
-30~70 °C, 50K  
LVDS, 6bit+FRC

Slim AR

Slim thickness

Anti Reflection

High Brightness



# 15" Models

MP

Developing

Planning

MP

Apr.14

**GI50XVN01.0**

300 nits, 178/178  
-10~70 °C, 50K, 72%  
LVDS, 6/6bit+Hi-FRC

Slim MVA

Mar.15

**GI50XVN01.1**

300 nits, 178/178  
-10~70 °C, 30K, 72%  
LVDS, 6/6bit+Hi-FRC

Slim MVA

Jun.18

**GI50XVN01.2**

400 nits, 178/178  
-10~70 °C, 50K, 72%  
LVDS, 6/6bit+Hi-FRC

Slim MVA

2019 H1

Q1.19

**GI50XAN01.0**

400 nits, 178/178  
-20~70 °C, 50K  
LVDS, 6bit+FRC

Slim AHVA

Q1.19

**GI50XAN01.1**

500 nits, 178/178  
-20~70 °C, 50K  
LVDS, 6bit+FRC

Slim AHVA

Dec.18

**GI50XAN01.2**

500 nits, 178/178  
-20~70 °C, 50K  
LVDS, 6bit+FRC

Slim AHVA 6.8t

2019 H2

Q1.19

**GI50XAN02.0**

500 nits, 178/178  
-30~85 °C, 50K  
LVDS, 6bit+FRC

Slim AHVA

Q1.19

**GI50XAN02.1**

800 nits, 178/178   
-20~75 °C, 50K  
LVDS, 6bit+FRC

Slim AHVA

Q1.19

**GI50XAN03.0**

400 nits, 178/178  
-20~70 °C, 50K  
eDP, 6bit+FRC

Slim AHVA 6.8t **SNB**

Q2.19

**GI50XAB03.0**

400 nits, 178/178  
-20~70 °C, 50K  
eDP, 6bit+FRC

Slim AHVA oTP **SNB**

15"  
XGA  
1024x768  
(VA)

Slim Slim thickness

High Brightness

oTP On-cell Touch with Cover lens

# 15.6" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

15.6"  
HD  
1366x768

**July.11**

**GI56XW01 V1**  
400 nits, 170/160  
0~60 °C, 50K  
LVDS, 6bit+FRC

**Jul.18**

**GI56XTN01.0**  
400 nits, 170/130  
-30~85 °C, 50K  
LVDS, 6bit+FRC

Slim WT

**Mar. 19**

**GI56XTN02.1**  
250nits, 140/80  
0~50 °C, 15K  
eDP, 6bit

Slim

Flat Type

**Nov.15**

**GI56XW01 V3**  
400 nits, 170/160  
0~60 °C, 50K  
LVDS, 6bit+FRC

Slim

**Dec.18**

**GI56XTN02.0**  
220 nits, 90/50  
0~50 °C, 15K  
eDP, 6bit

Slim

Flat Type

**Oct.16**

**GI56XW01 V302**  
500 nits, 170/160  
0~60 °C, 50K  
LVDS, 6bit+FRC

Slim

**Oct.18**

**GI56XW01 V4**  
500 nits, 170/160  
0~60 °C, 50K  
eDP, 6bit+FRC

Slim

eDP embedded Display Port interface Slim Slim thickness WT Wide Temperature

# 15.6" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

Oct.14

**GI56HTN01.0**  
 300 nits, 160/140  
 -10~60 °C, 15K  
 eDP, 6bit  
 Slim Flat Type

Jun.16

**GI56HTN02.0**  
 400 nits, 160/140  
 -10~70 °C, 50K, 72%  
 LVDS, 8bit  
 Slim

Dec.18

**GI56HAB01.0**  
 300 nits, 178/178  
 0~50 °C, 30K  
 eDP, 6bit+FRC  
 Flat Type  
 Slim AHVA oTP **SNB**

**GI56HAB02.x**  
 400nits, 178/178  
 0~50 °C, 50K  
 eDP, 6bit+FRC  
 Flat Type  
 Slim AHVA oTP **SNB**

Nov.17

**GI56HAN02.0**  
 500 nits, 178/178  
 -20~70 °C, 50K, 72%  
 eDP, 6bit+FRC  
 Slim AHVA

Jul.18

**GI56HAN02.1**  
 500 nits, 178/178  
 -20~70 °C, 50K, 72%  
 LVDS, 8bit  
 Slim AHVA

Q2.19

**GI56HAN03.0**  
 300 nits, 178/178  
 0~50 °C, 30K  
 eDP, 6bit+FRC  
 Flat Type  
 Slim AHVA **SNB**

15.6" FHD 1920x1080

**eDP** embedded Display Port interface Slim Slim thickness oTP On-cell Touch with Cover lens

# 17"/17.3" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

17"  
SXGA  
1280x1024

**GI70EG01 V1** Aug.11  
350 nits, 160/140  
-30~85 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC  
WT RL

**GI70ETN01.0** Sep.13  
350 nits, 170/160  
0~50 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC  
RL

**GI70ETN02.0** Jul.17  
400 nits, 160/140  
-30~85 °C, 50K, 90%  
LVDS, 8bit  
WT

**GI70ETN02.1** Jul.17  
800 nits, 160/140  
-30~85 °C, 50K, 72%  
LVDS, 8bit, w/o D.  
WT

**GI70ETN03.1** Q2.19  
400 nits, 170/160  
0~50 °C, 30K, 72%  
LVDS, 6bit+Hi-FRC, w/o D.

17"  
FHD  
1920x1920

**GI70HAN01.x**  
350 nits, 178/178  
-20~60 °C, 50K, 72%  
eDP, 8bit  
AHVA

17.3"  
FHD  
1920x1080

**GI73HW01 V0** Feb.12  
400 nits, 160/140  
0~70 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC  
RL

WT Wide Temperature   RL Replaceable Lightbar   w/o D. without LED Driver   High Brightness

# 18.5" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

18.5"  
HD  
1366x768

Aug.11

**GI85XW01 V1**  
300 nits, 170/160  
0~60 °C, 50K  
LVDS, 6bit+Hi-FRC  
RL

Dec.17

**GI85XTN01.1**  
450 nits, 170/160  
0~60 °C, 50K, 72%  
eDP, 6bit+Hi-FRC

Jun.15

**GI85XW01 V2**  
450 nits, 170/160  
0~60 °C, 50K  
LVDS, 6bit+Hi-FRC

Dec.17

**GI85XW01 V201**  
450 nits, 170/160  
0~60 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC

18.5"  
FHD  
1920x1080

Aug.16

**GI85HAN01.0**  
350 nits, 178/178  
-20~70 °C, 50K, 72%  
LVDS, 8bit  
AHVA

May.18

**GI85HAN01.1**  
500 nits, 178/178  
-20~70 °C, 50K, 72%  
LVDS, 8bit  
AHVA

**GI85HAB01.x**  
500nits, 178/178  
-20~70 °C, 50K, 72%  
eDP, 8bit  
Slim AHVA oTP

eDP embedded Display Port interface RL Replaceable Lightbar

# 19" Models

MP

Developing

Planning

MP

2019 H1

2019 H2

July.11

**GI90EG01 V1**

350 nits, 170/160  
0~50 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC

Jun.14

**GI90ETN01.0**

350 nits, 170/160  
0~50 °C, 30K, 72%  
LVDS, 6bit+Hi-FRC, w/o D.

Jul.14

**GI90ETN01.2**

350 nits, 170/160  
-30~85 °C, 50K,  
LVDS, 6bit+Hi-FRC

WT

Jun.16

**GI90ETN01.4**

450 nits, 170/160  
-30~85 °C, 50K, 90%  
LVDS, 6bit+Hi-FRC

WT

Oct.16

**GI90ETN01.6**

1600 nits, 170/160  
-30~70 °C, 50K  
LVDS, 6bit+Hi-FRC

AR

May.19

**GI90ETN01.8**

800 nits, 170/160  
-30~70 °C, 50K  
LVDS, 6bit+Hi-FRC, w/o D.

**GI90ETN01.x**

400nits, 170/160  
0~50 °C, 30K, 72%  
LVDS, 6bit+Hi-FRC, w/o D.

19"  
SXGA  
1280x1024  
(TN)

WT

Wide Temperature

AR

Anti Reflection

w/o D. without LED Driver

High Brightness

# 19" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

Apr.11

## GI90EG02 V0

600 nits, 178/178  
0~50 °C, 50K  
LVDS, 8bit



Jun.11

## GI90EG02 V1

300 nits, 178/178  
0~60 °C, 50K  
LVDS, 8bit



Jul.17

## GI90EG02 V104

350 nits, 178/178  
-15~70 °C, 50K  
LVDS, 8bit



19"  
SXGA  
1280x1024  
(VA)

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# 19" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

Jan.14

**GI90EAN01.0**

300 nits, 178/178  
0~50 °C, 50K, 72%  
LVDS, 8bit



May.17

**GI90EAN01.3**

330 nits, 178/178  
0~50 °C, 50K, 72%  
LVDS, 8bit



Jun.15

**GI90EAN01.1**

1300 nits, 178/178  
0~50 °C, 100K  
LVDS, 8bit



MONO

8000K

Jun.15

**GI90EAN01.2**

1300 nits, 178/178  
0~50 °C, 100K  
LVDS, 8bit



MONO

10500K

Nov.17

**GI90EAN01.5**

700 nits, 178/178  
0~50 °C, 50K, 72%  
LVDS, 8bit



19"  
SXGA  
1280x1024  
(AHVA)



Monochrome



High Brightness



# 21.3"/21.5" Models



MP

Developing

Planning



**21.3"**  
**QXGA**  
**2048x1536**  
**(AHVA)**

MP


2019 H1

2019 H2


Sep.16

**G213QAN01.0**  
800 nits, 178/178   
0~60 °C, 50K, 72%  
LVDS, 10bit  


Apr.12

**G215HVN01.0**  
300 nits, 178/178 0~60 °C,  
50K, 75%  
LVDS, 8bit  



May.14

**G215HVN01.1**  
250 nits, 178/178 0~60 °C,  
30K, 72%  
LVDS, 8bit  



Nov.17

**G215HAN01.0**  
400 nits, 178/178  
0~60 °C, 50K, 72%  
LVDS, 8bit  



Apr.18

**G215HAN01.2**  
350 nits, 178/178  
0~60 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC, w/o D.  


Sep.18

**G215HAN01.201**  
300 nits, 178/178  
0~60 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC, w/o D  


Sep.18

**G215HAN01.3**  
250 nits, 178/178  
0~60 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC, w/o D  


w/o D. without LED Driver  High Brightness

# 22"/23"/23.8" Models



MP

Developing

Planning

2019 H1

2019 H2

22"  
WSXGA+  
1680x1050

**G220SVN01.0**  
250 nits, 178/178  
0~50 °C, 30K  
LVDS, 6bit+Hi-FRC



MP  
Jun.13

EOL: Extended to Dec. 2019

23"  
FHD  
1920x1080

**G230HAN01.1**  
300 nits, 178/178  
0~50 °C, 30K, 72%  
LVDS, 8bit, w/o D.



Sep.16

23.8"  
FHD  
1920x1080

**G238HAN01.0**  
250 nits, 178/178  
0~50 °C, 30K, 75%  
LVDS, 6bit+Hi-FRC, w/o D.



May.16

23.8"  
FHD  
1920x1080

**G238HAN01.1**  
400 nits, 178/178  
0~50 °C, 50K, 72%  
LVDS, 8bit, w/o D.



Jan.18

**G238HAN01.2**  
400 nits, 178/178  
0~50 °C, 30K, 83%  
LVDS, 8bit, w/o D.



Jan.18

**G238HAN01.3**  
625 nits, 178/178  
0~50 °C, 50K, 72%  
LVDS, 8bit, w/o D.



Jul.19

w/o D. without LED Driver

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# 24"/27" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

Sep.11

Mar.17

Nov.16

Nov.16

Sep.18

May.18

May.19

Mar.19

Aug.19

24"  
FHD  
1920x1080

**G240HW01 V0**

300 nits, 178/178  
-20~70 °C, 50K, 72%  
LVDS, 8bit



**G240HW01 V1**

300 nits, 178/178  
-20~70 °C, 50K, 72%  
LVDS, 8bit



24"  
WUXGA  
1920x1200

**G240UAN01.0**

900 nits, 178/178 0~50 °C,  
50K, 78%



**G240UAN01.1**

850 nits, 178/178 0~50 °C,   
50K, 88%



**M240UAN01.0**

300 nits, 178/178 0~50 °C,  
30K, 78%  
LVDS, 6bit+Hi-FRC, w/o D



27"  
FHD  
1920x1080

**G270HAN01.0**

1000 nits, 178/178 0~50 °C,  
50K, 87%



**G270HAN01.2**

400 nits, 178/178  
0~50 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC, w/o D.



27"  
QHD  
2560x1440

**G270QAN01.0**

350 nits, 178/178  
0~50 °C, 30K, Adobe 100%  
LVDS, 8bit, w/o D.



**G270QAN02.0**

350 nits, 178/178  
0~50 °C, 30K, sRGB99%  
LVDS, 8bit, w/o D.



Borderless



High Brightness

w/o D. without LED Driver

# 27"/ 32" Models



MP

Developing

Planning

MP

2019 H1

2019 H2

27"  
UHD  
3840x2160

32"  
UHD  
3840x2160

Feb.17

**G270ZAN01.0**  
800 nits, 178/178 0~50 °C,  
50K, 93%  
eDP, 8bit+Hi-FRC  
AHVA

May.19

**G270ZAN01.5**  
400 nits, 178/178  
0~50 °C, 50K, 93%  
eDP, 8bit+Hi-FRC, w/o D.  
AHVA

Jan.18

**G270ZAN01.1**  
800 nits, 178/178  
0~50 °C, 50K, 93%  
V by I, 8bit+Hi-FRC  
AHVA

**G270ZAN01.x**  
350 nits, 178/178  
0~50 °C, 30K, Adobe 100%  
eDP, 8bit, w/o D.  
AHVA

Feb.18

**G320ZAN01.0**  
700 nits, 178/178  
0~50 °C, 30K, Adobe 100%  
V by I, 8bit+Hi-FRC  
AHVA

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eDP embedded Display Port interface    High Brightness    w/o D. without LED Driver

# Bar Type Models

MP

Developing

Planning

MP

2019 H1

2019 H2

15"  
(19" x 1/4)  
1280x248

Jun.12

**G151EVN01.0**

300 nits, 178/178  
0~50 °C, 50K  
LVDS, 8bit

MVA

19"  
(22" x 1/3)  
1680x342

Aug.11

**G190SF01 V0**

300 nits, 178/178 0~60 °C,  
50K, 72%  
LVDS, 6bit+Hi-FRC

MVA

EOL: Extended to Dec. 2019

28.6"  
(32" x 1/2)  
1920x540

Apr.17

**G286HAN01.0**

1000 nits, 178/178  
-10~60 °C, 50K, 72%  
LVDS, 8bit, w/o D.



w/o D. without LED Driver High Brightness

# Bar Type Models



MP

Developing

Planning

MP

2019 H1

2019 H2

Nov.18

**G229HAN01.0**

500 nits, 178/178

0~50 °C, 50K, 72%

LVDS, 8bit

SNB



May.19

**G229HAF01.0**

700 nits, 178/178

0~50 °C, 50K, 72%

HDMI, 8bit



SNB



Monitor

Jun.19

**G229HAF02.0**

700 nits, 178/178

0~50 °C, 50K, 72%

Android



SNB



AIO Monitor

22.9"  
1920x165

High Brightness

# Total Solution Models (R-TP)



MP

Developing

Planning

MP

2019 H1

2019 H2

3.5"  
QVGA  
320x240

Jul 14

**A035QN05 V2**

300 nits, 120/105  
0~60 °C, 10K  
Digital, 6bit+FRC, w/o D.

(Air Bond)

4.3"  
WQVGA  
480x272

Nov.11

**G043FTT01.0**

400 nits, 130/105  
0~70 °C, 10K  
Digital, 8bit, w/o D.



(Air Bond)

7.0"  
WVGA  
800X480

Apr. 4

**G070VTT01.0**

380 nits, 130/110  
-20~70 °C, 15K  
Digital, 6bit, w/o D.

(Air Bond)



Reverse Scan

w/o D. without LED Driver

# Total Solution Models (P-Cap)



MP

Developing

Planning

MP

2019 H1

2019 H2

10.1"  
WSVGA  
1024x600

Jun.16

**GI01STT01.0**  
385 nits, 140/120  
-10~60 °C, 30K  
LVDS, 6bit  
(Air Bond)

10.1"  
WXGA  
1280x800

Jun.18

**GI01EVT01.0**  
360 nits, 170/170  
-20~60 °C, 15K  
LVDS, 6bit  
MVA (Air Bond)



# Total Solution Models (P-Cap)

MP

Developing

Planning

15"  
XGA  
1024x768  
(TN)

**MP**

Feb.18

**G150XTK01.0**

390 nits, 160/150  
-30~85 °C, 50K  
LVDS, 6bit+FRC

WT
Slim
oTP-Lite

**2019 H1**

**2019 H2**

**G150XAB03.x**

400 nits, 178/178  
-20~70 °C, 50K  
eDP, 6bit+FRC

**SNB**

Slim
oTP
AHVA

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**eDP** embedded Display Port interface

**WT** Wide Temperature

**Slim** Slim thickness

**oTP** On-cell Touch with Cover lens

# Total Solution Models (P-Cap)

MP

Developing

Planning

15.6"  
HD  
1366x768  
(TN)

**MP**

Jul.16

**GI56XTT01VI**  
350nits, 170/160  
0~60 °C, 50K  
LVDS, 8bit  
Slim (Air Bond)

2019 H1

2019 H2

15.6"  
FHD  
1920x1080

Aug.18

**GI56HAT01.0**  
425nits, 178/178  
-10~60 °C, 50K, 72%  
eDP, 6bit+FRC  
Slim AHVA (Air Bond)

Dec.18

**GI56HAB01.0**  
300 nits, 178/178  
0~50 °C, 30K  
eDP, 6bit+FRC SNB  
Slim oTP AHVA

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Flat Type

**GI56HAB02.x**  
400nits, 178/178  
0~50 °C, 50K  
eDP, 6bit+FRC SNB  
Slim oTP AHVA

eDP embedded Display Port interface    WT Wide Temperature    Slim Slim thickness    oTP On-cell Touch with Cover lens

# Total Solution Models (P-Cap)



MP

Developing

Planning

MP

2019 H1

2019 H2

17"  
SXGA  
1280x1024

Jan.17

**G170ETT01.0**  
250 nits, 170/160  
0~50 °C, 30K, 72%  
LVDS, 6bit+Hi-FRC, w/o D.  
(Air Bond)

19"  
SXGA  
1280x1024  
(TN)

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**G190ETT01.x**  
300 nits, 170/160  
0~50 °C, 50K, 72%  
LVDS, 6bit+Hi-FRC  
(Air Bond)

w/o D. without LED Driver

# Total Solution Models (P-Cap)



MP

Developing

Planning

MP

2019 H1

2019 H2

23.8"

FHD

1920x1080

**G238HAT01.x**

350 nits, 178/178  
0~50 °C, 50K, 72%  
LVDS, 8bit



(Air Bond)

Nov. 18

**G240HVT01.0**

265 nits, 178/178  
-20~70 °C, 50K, 72%  
LVDS, 8bit



(Air Bond)

24"

FHD

1920x1080

# New Model Summary -I



	Model	MP Schedule
New Model	- G070VAN01.0	~ 2019/Q2
	- G080UAN01.2	~ 2019/Q2
	- G101STN01.C	~ 2019/Q1
	- <b>G101EAN01.0</b>	~ <b>2019/Q3</b>
	- <b>G101EAN02.1</b>	~ <b>2019/Q3</b>
	- G116HAN01.0	~ 2019/Q2
	- G121STN02.0	~ 2019/Q2
	- G121EAN01.4	~ 2019/Q2
	- <b>G133HAN02.0</b>	~ <b>2019/Feb</b>
	- <b>G150XTN06.B</b>	~ <b>2019/Q1</b>
	- G150XAN01.0	~ 2019/Q1
	- G150XAN01.1	~ 2019/Q1
	- G150XAN02.0	~2019/Q1
	- G150XAN02.1	~2019/Q1
	- G150XAN03.0	~ 2019/Q1
	- <b>G150XAB03.0</b>	~ <b>2019/Q2</b>

# New Model Summary - II



	Model	MP Schedule
New Model	- G156XTN02.1	~ 2019/Mar.
	- G156HAN03.0	~ 2019/Q2
	- G170ETN03.1	~ 2019/Q2
	- G190ETN01.8	~ 2019/May.
	- G229HAF01.0	~ 2019/May.
	- G229HAF02.0	~ 2019/Jun.
	- G238HAN01.3	~ 2019/Jul
	- G240HVT01.0	~ 2018/Nov
	- G270QAN01.0	~ 2019/Mar.
- G270ZAN01.5	~ 2019/May.	

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# EOL Model Summary



	<b>Model</b>	<b>EOL Schedule</b>	<b>LTB order</b>
<b>EOL Model</b>	-A040CN01 V3	~2019/Oct.	~2019/Jul.
	-B070ATN01.0	~2019/Oct.	~2019/Jul.
	-A090VW01 V3	~2019/Mar.	~2018/Dec.
	-G190SF01 V0	~2019/Dec.	~2019/Sep.
	-G220SVN01.0	~2019/Dec.	~2019/Sep.

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# EOL Procedure – G Model

To secure customer business running smoothly, AUO GD product phase-out procedure is as following to 100% fulfill your need in industrial market.







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