



GD Touch Panel Product Roadmap

杭州旭虹科技有限公司

AU Optronics GDBU

2018. Q4

Mission of General Display Business Unit



Total Solution Provider



Flexible Support



Product Longevity



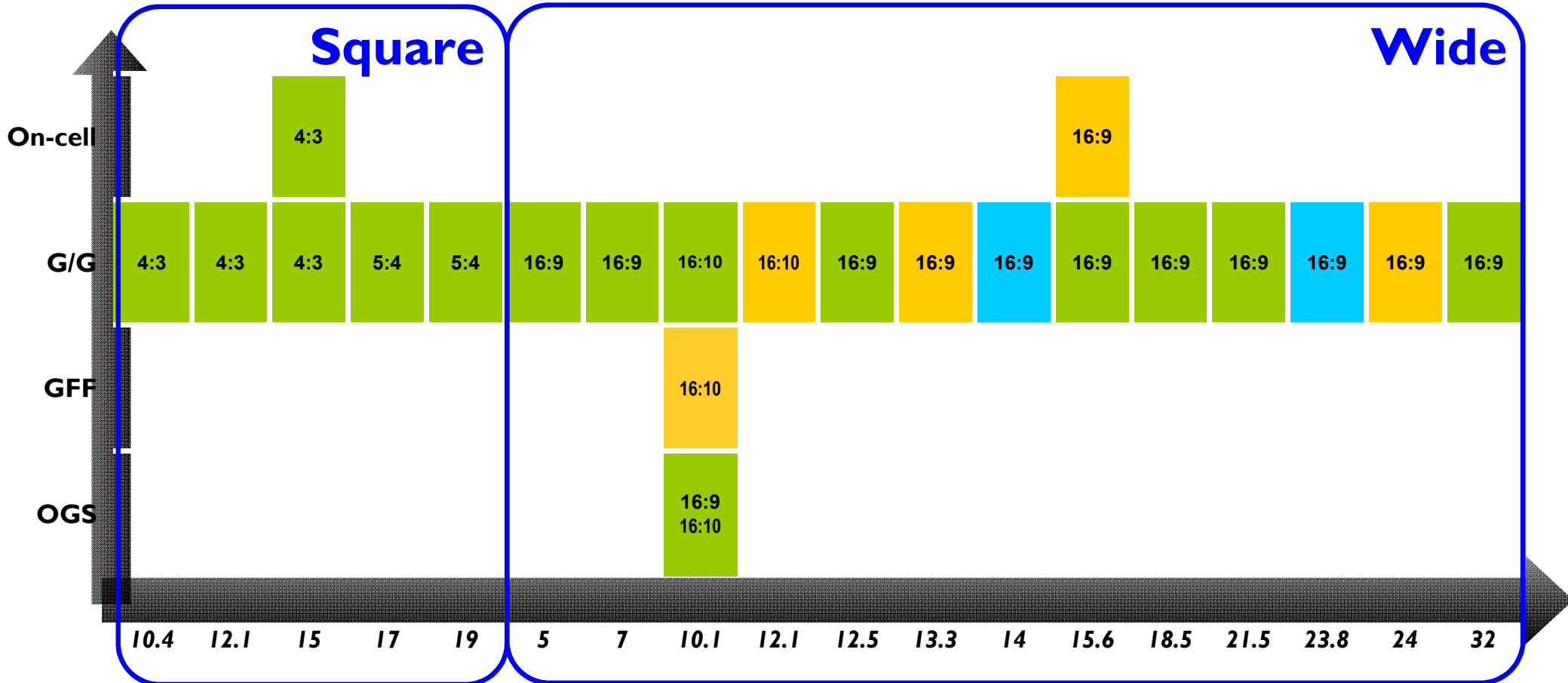
Customized Design

General Display P-Cap Touch Panel Line Up



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MP
Developing
Planning



GD Touch Panel Performance



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Glove
Max. 3mm

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

Cover Lens
Max. 3mm

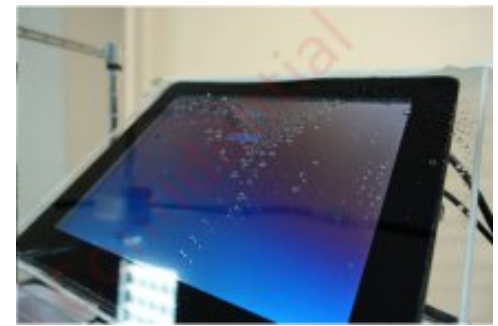
AUO

Palm Rejection
Max. 10 x10 cm²



Stylus
Passive Pen, 6mm

Water Proof
•Pass Rain Test
•10% Salt Water



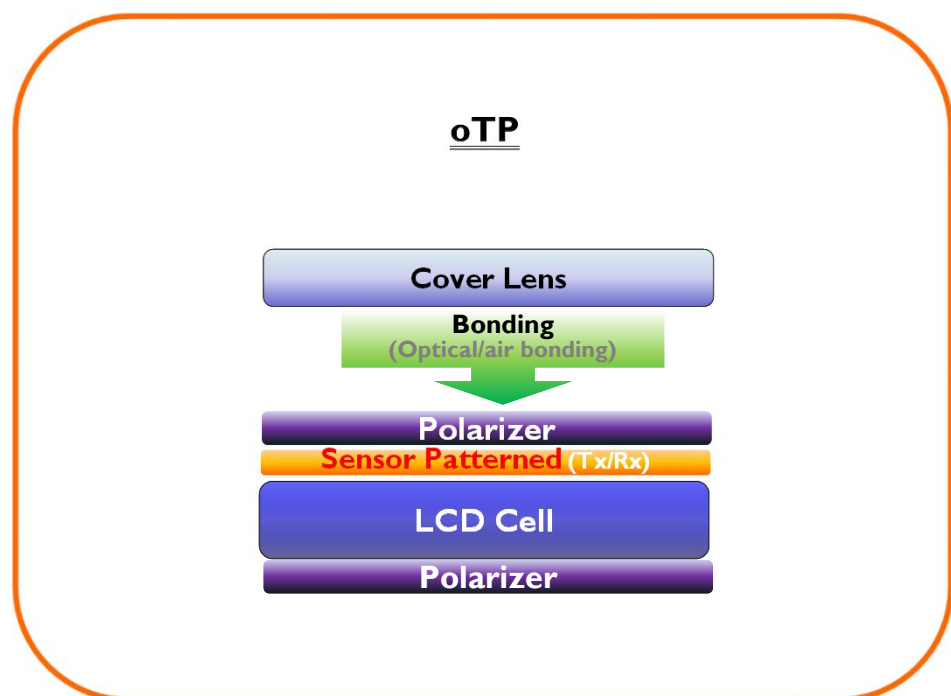
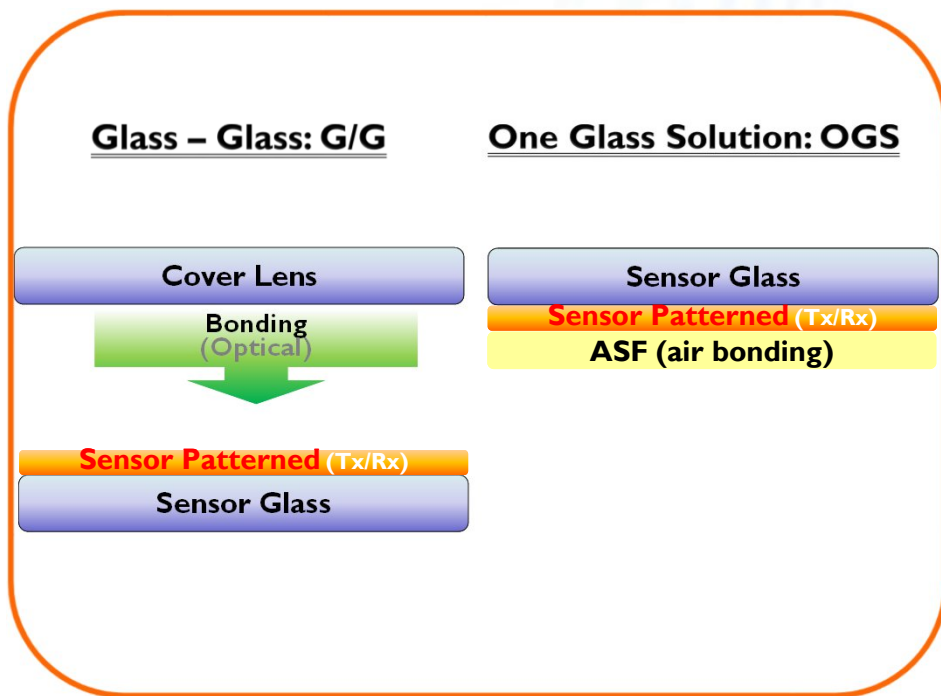
AUO Touch Panel Structure Comparison



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Out-Cell Touch

On-Cell Touch



Slim	○	◎	◎
Strength	◎	○	◎
Cover Lens Design Flexibility	◎	○	◎

Cover Lens Design and Manufacturing Capability



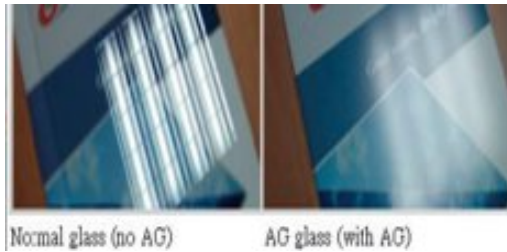
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- Glass Surface Treatment

- Anti-Reflection



- Anti-Glare

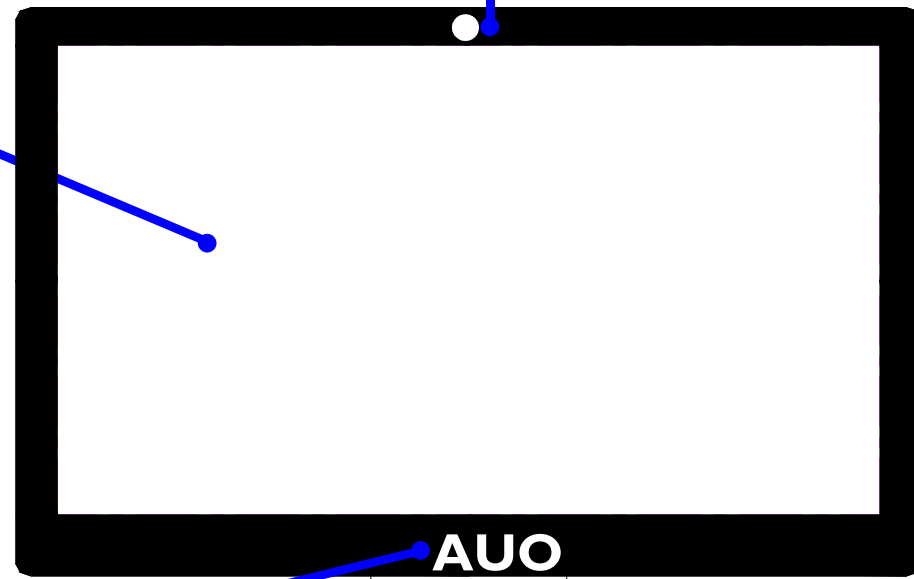
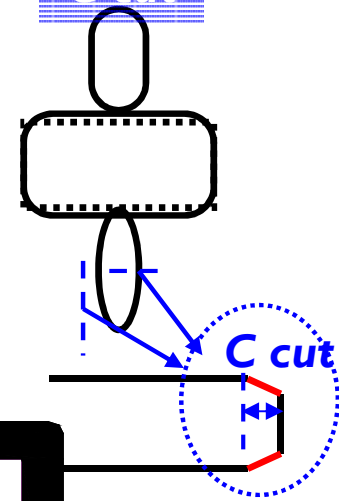


- Anti-Smudge



- Glass Treatment

- Cutting / Grinding / Drilling...



- Artwork Treatment

- Logo / Icon / BM...

AUO Touch Panel Manufacturing Process



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Front-end Process

Sensor Glass

Sensor Process



Back-end Process

Cutting / Bonding Process



Lamination Process
CL*+SG* → Touch Panel

Cover Lens

Cover Lens

Bonding
(Optical)

Sensor Patterned (Tx/Rx)

Sensor Glass

Note: CL*=Cover Lens

SG*=Sensor Glass

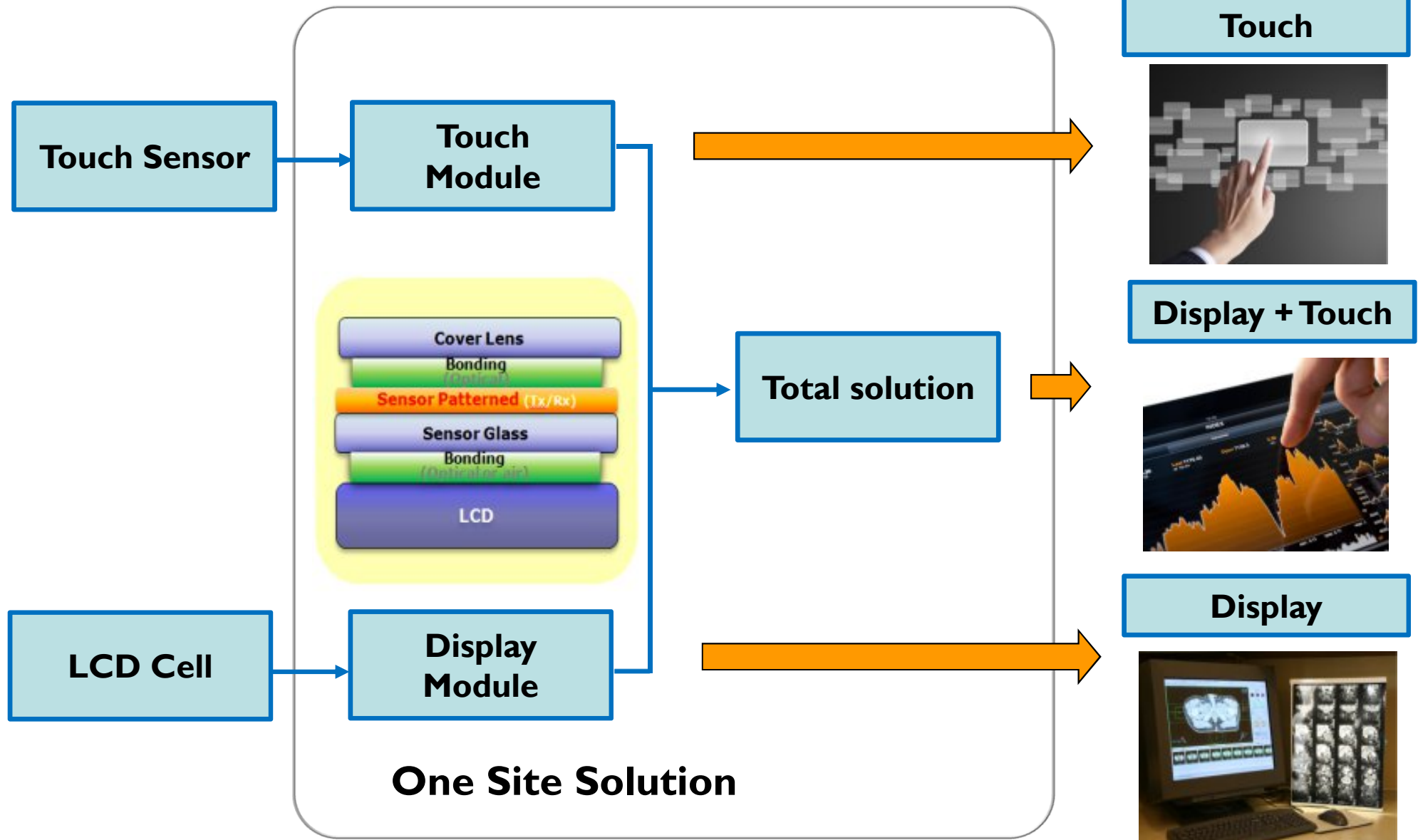
AUO As A Total Solution Provider



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Flexible Business

Front-end Process
(in Taiwan)

Back-end Process
(in Suzhou, China)





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GD Touch Panel Product Roadmap

5"/ 7" Models

MP

Developing

Planning

5"
(16:9)
G050TAN01

MP

Jun.18

I050FGB01.1
G/G (0.7t + 0.55t)
ILITEK, 41 ch
Android

AS

2018 H2

2019 H1

7"
(16:9)
A070VW08
G070VW01
G070VVN
G070VTN

Jun.18

I070FGB02.0
G/G (1.8t + 0.7t)
ILITEK, 60 ch
Linux

AS

AS Anti-Smudge

10.1" / 10.4" Models



2018 H2

2019 HI

MP

10.1"
(16:9)
GI01STN01

Jul.15

I101FGT14.0
OGS (1.1t)
EETI, 72 ch
Android
AS

10.1"
(16:10)
GI01EVN
BI01UAN
GI01UAN

Q1.19

I101FGT16.4
OGS (1.1t)
EETI, 75 ch
Android
AS

10.4"
(4:3)
AI04SN03
GI04VN01
GI04STN01
GI04SN03
GI04XVN01

Mar.17

I104FGB01.2
G/G (1.8t + 0.7t)
EETI, 76 ch
Windows 8
AS

AS Anti-Smudge

12.1"/12.5" Models

MP

Developing

Planning

	MP	2018 H2	2019 H1
<p>12.1" (4:3) GI21SN01 GI21STN01 GI21XN01 GI21XTN01</p>	<p>Jun.16</p> <p>I121FGB01.1 G/G (1.8t + 0.7t) EETI, 92 ch Android AS</p>		
<p>12.1" (16:10) GI21EAN01</p>		<p>Q4. 18</p> <p>I121FGB02.1 G/G(1.8t + 0.7t) EETI, 92 ch Android AS</p>	
<p>12.5" (16:9) BI25XTN03</p>	<p>Jun.16</p> <p>I125FGB01.2 G/G (1.1t + 0.7t) EETI, 91ch Android AS</p>		

AS Anti-Smudge

13.3" / 14" Models

MP

Developing

Planning

13.3"
(16:9)
GI33XTN01
GI33HAN01
GI33HAN02.0

MP

2018 H2

I133FGB01.0
G/G (1.1t + 0.7t)
EETI, 116 ch
Windows 8
AS

Q2.19

2019 H1

14"
(16:9)
GI40XTN01
GI40HAN01

AS Anti-Smudge

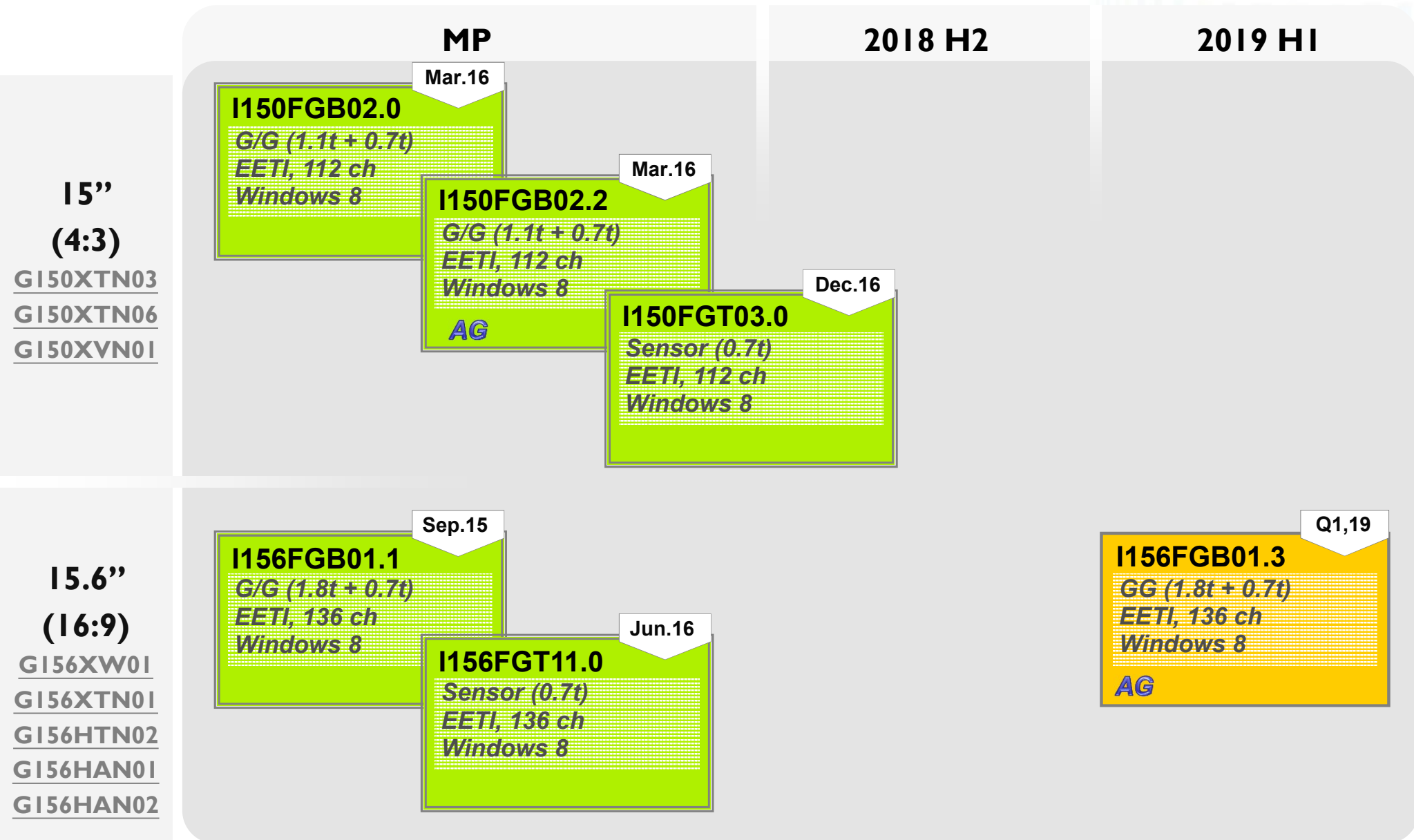
I140FGB0x.x
G/G (1.1t + 0.7t)
EETI, 113 ch
Windows 8

15" / 15.6" Models

MP

Developing

Planning



AS Anti-Smudge **AG** Anti-Glare cover lens

17"/ 19" Models

MP

Developing

Planning

17"
(5:4)
GI70EG01.1
GI70ETN01.0
GI70ETN02

MP

Jan.17

I170FGB01.0
G/G (1.8t + 0.7t)
EETI, 102 ch
Windows 8

2018 H2

2019 H1

19"
(5:4)
GI90EG01
GI90EG02
GI90ETN01
GI90EAN01

Mar.18

I190FGB02.1
G/G (1.8t + 0.7t)
EETI, 101 ch
Windows 8

AS

18.5"/21.5" Models

MP

Developing

Planning

18.5"
(16:9)
G185HAN01

G185XW01
G185XTN01

MP

2018 H2

2019 H1

I185FGB01.2
G/G (1.8t + 0.7t)
EETI, 127 ch
Windows 8
AG

I185FGB01.3
G/G (1.8t + 0.7t)
EETI, 127 ch
Windows 8
AG

21.5"
(16:9)
G215HVN01
G215HAN01

I215FGB01.0
G/G (1.1t + 0.7t)
EETI, 125 ch
Windows 8

AG Anti-Glare cover lens

23.8"/24"/32" Models

MP

Developing

Planning

	MP	2018 H2	2019 H1
<p>23.8" (16:9) <u>G238HAN01</u></p>			<p>I238FGB01.x G/G (2.9t + 0.7t) ILITEK, 152 ch Windows 8</p>
<p>24" (16:9) <u>G240HW01</u></p>		<p>I240FGB02.0 G/G (2.9t + 0.7t) ILITEK, 152 ch Windows 8</p> <p>Sep.18</p>	
<p>32" (16:9)</p>	<p>I319FGB01.0 G/G (1.8t + 0.7t) EETI, 178 ch Windows 8</p> <p>Apr.16</p>		

New Model Summary



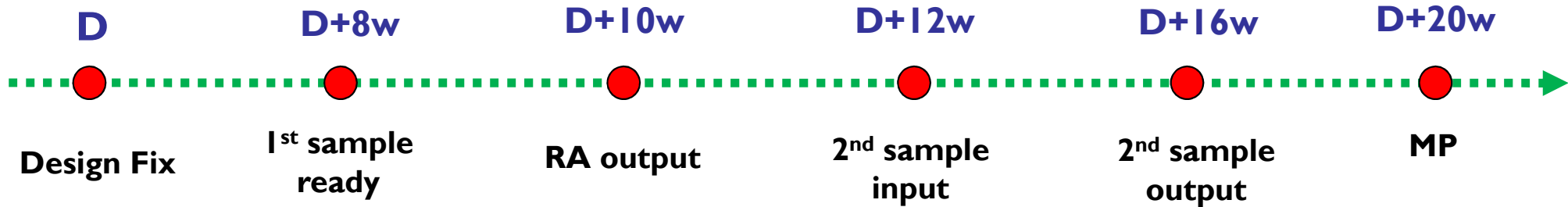
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	Model	MP Schedule
New Model	- I101FGT16.4	~ 2019/Q1
	- I121FGB02.1	~ 2018/Q4
	- I133FGB01.0	~ 2019/Q2
	- I156FGB01.3	~ 2019/Q1
	- I185FGB01.2	~ 2019/Q1
	- I185FGB01.3	~ 2019/Q1

Sample Lead-time Schedule



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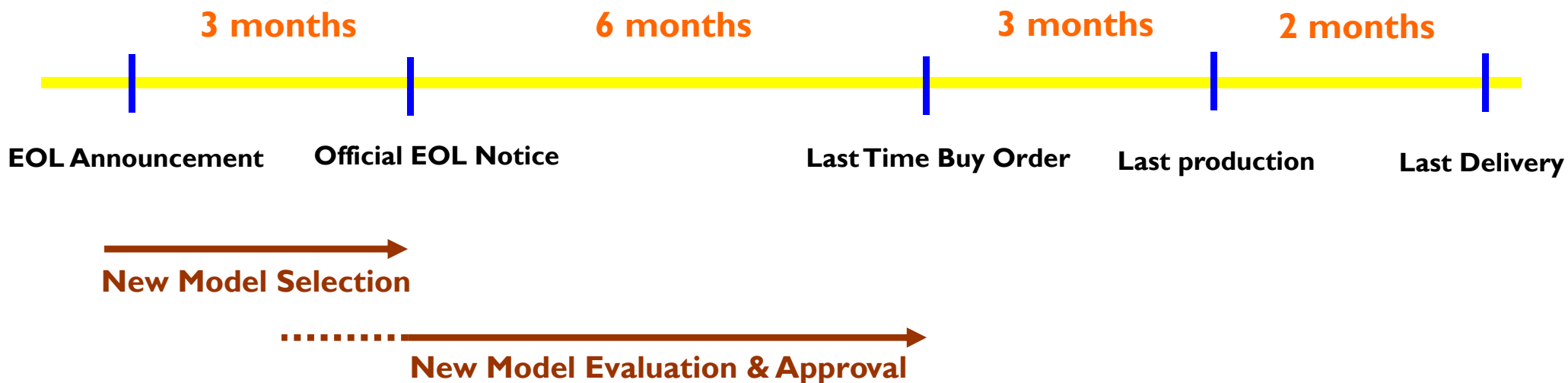
- Lead-time for touch panel only.
- 2 weeks more is needed for touch & LCD lamination

EOL Procedure



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- 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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