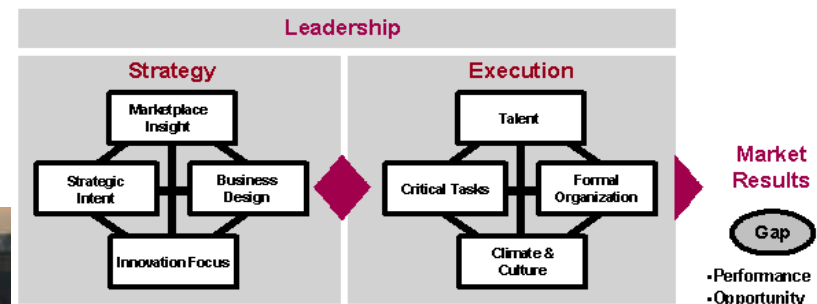


# Winmate Product Roadmap 2011



**Service** ▶

**Components**  
- SBCs  
- KITS

**Standard Products**

**Customized Products**  
>> **Solutions**

**ODM Projects**

INSIGHT & CORE VALUE

**Product Lines** ▶

**Display/ Signage**

**Embedded Computing**

**Rugged Computing**

**Rugged Mobile Computing**

INSIGHT & CORE VALUE

**Solutions** ▶

**Signage**  
- Player w/ better graphic  
- OM  
- Signage SW

**Transportation**  
- EN50155  
- DNV  
- Isolation  
- wide range

**Automation**  
- HMI  
- Isolation  
- ARM Based  
- UL1604

**Rugged & Military**  
- MIL-STD810  
- MIL-STD461  
- IP65  
- UL1604

**Rugged & Logistics**  
- MIL-STD810  
- 3G/ GPS  
- Barcode  
- RFID

# Single Board Computer Road Map



## Mini ITX



Mass Production

IA70 (Atom N270)  
 IL70 (Atom dual cores)  
 I771 (Core2-Duo)  
 A370 (Athlon+ SB780)

2010 Q4

2011Q1 – 2011Q2

2011 Q3

Intel Sugar Bay/ Sandy Bridge  
 (QM67)

Intel Calpella  
 (QM57)

Upgrade

Intel Atom Dual cores  
 (D525)

Intel Oak Trial  
 Atom Z6xx (Lincroft)

Intel Queens Bay  
 Atom E6xx (Tunnel Creek)

## 3.5"



IA30 (Atom N270)  
 I931 (Atom Z530)  
 I330 (Core2-Duo)

## Power Module

Isolation Power  
 60W, 80W, 100W

Military adapter 90W: MAD-90M  
 Slim adapter 150W: SAD-150M

# PPC/ HMI/POS Product Road Map

Mass Production

2010 Q4

2011Q1 – 2011Q2

2011 Q3

HMI



3.7", 5.7", 7"  
(ARM11)

7", 10.1"  
(I931)  
POE

10.4"  
(IA70)

3.7", 5.7", 7"  
(Cortex-A8)

5.7", 7", 10.1"  
Intel Oak Trail  
(Lincroft)

Intel Atom D525  
(IL70)

HMI Software Package development

POS



15"  
(IA30, I930)

New design 15" POS

# Embedded System Product Road Map

Mass Production      2010 Q4      2011Q1 – 2011Q2      2011 Q3

## High Performance

**Industrial  
Box PC  
-with Fan**

I330  
I370  
I771

Intel Sugar Bay (QM67)  
Intel Calpella (QM57)

- Core i5/i7  
- Core2-Duo  
- Celeron M



## Low Power

**Industrial  
Box PC  
-Fanless**

IA30  
I931  
IA70

Intel Atom (D525)  
Intel Queens Bay (Tunnel Creek)

- Atom N270  
- Atom Z5xxp



## 工控/車用/船用

**EAC**  
-C2D Fanless  
-DNV  
-EN50155



IA30  
I931

Upgrade →  
I771 (Intel GM45)  
IL70 (Intel Atom D525)

- Core2-Duo ULV  
- Atom Dual Cores



## Signage Player

**NHIG/THIQ  
Box PC  
-External Fan**

Intel Calpella QM57  
Intel GM45

Intel Sugar Bay (QM67)

- Core i5/ i7  
- Core2-Duo



# Rugged PPC/Display G-WIN Product Road Map

Mass Production

2010 Q4

2011Q1 – 2011Q2

2011 Q3

## G-WIN PPC

7", 8.4", 10.4"  
12.1", 15"

IP67  
15"

I931 (7")  
IA30 (8.4"~ 15")  
I330 (8.4"~ 15")

Intel Atom  
(D525)

Upgrade

## G-WIN Display

IP67

7", 8.4", 10.4", 12.1", 15"  
Display

## Military

15" PPC/  
Display

MIL-STD  
-461

20" Rugged  
Console




## Marine

8.4" ~ 19"  
PPC

8.4" ~ 23.1"  
Display




# Rugged Computing (G-WIN / Military/ Marine/ IP67)

1	<p><b>Rugged/ G-WIN Panel PC / Display</b></p> <p>1) 7", 8.4", 10.4", 12.1" , 15" G-WIN PPC</p> <ul style="list-style-type: none"> <li>- Transportation</li> <li>- IP67 for 15", - WiFi</li> <li>- MIL-810/ MIL-461 /EN50155</li> <li>- Isolated DIO, CAN bus, Isolated RS-422/485</li> <li>- Isolation Wide Range 9~36V Power Input</li> <li>- Intel Atom Z530/N270 (future: Intel Atom D525)</li> <li>- future: UL1604</li> </ul>  <p>2) 7", 8.4", 10.4", 12.1" , 15" G-WIN Display</p> <ul style="list-style-type: none"> <li>- Transportation</li> <li>- Military/ IP67 for 15"</li> <li>- MIL-810G/ MIL-461F /EN50155</li> <li>- Isolation Wide Range 9~36V Power Input</li> </ul> 	<p>PM: Ian/Bruce M/E: Jacky H/W: Hank Test: Lindon S/W: Vincent PE: David</p>	Ongoing	Q2/11
2	<p><b>Military Grade Display</b></p> <ul style="list-style-type: none"> <li>-- 20.1" (Future: 17", 19")</li> <li>- -MIL-STD 810G and 461F</li> <li>-- EMI ITO Mesh filter glass/ touch</li> </ul>  <p><b>Marine Panel PC / LCD</b></p> <p>1) 8.4" ~ 23" DNV/ IEC-60945</p> <p>2) ODM project based.</p>	<p>PM: Bruce M/E: Jacky H/W: Hank Test: Lindon S/W: Vincent PE: David</p>	Ongoing	Q2/11






# Rugged Mobile Computing Roadmap

	Available	New released	Q4, 2010	Q1, 2011	Q2, 2011
<b>Rugged Notebook</b>			12.1" Rugged NB - GS45	 	
<b>Standard Rugged Tablet PC</b>	Tablet PC - I88/I98/IA8/V28				
<b>"Mobile Rugged" Tablet PC</b>		Built-in 3G & GPS - I88/IL8/I98/IA8			
<b>"Compact Rugged" Tablet PC</b>		7" Tablet PC - MIL-STD	7" tablet pc - I983	10.4" Medical - I986	7" Tablet PC - MIL-STD
				 	
<b>Compact Rugged Handheld</b>			3.7" ~ 5.7" Handheld	 	

# Rugged Mobile Computing -1

No.	Tablet PC
1	<p><b>Rugged Notebook NB</b></p> <p>1) <b>12.1 Rugged NB</b></p> <ul style="list-style-type: none"> <li>- <b>SU9300(SL9400) / GS45</b></li> <li>- MIL-810F / MIL-461E</li> <li>- Built-in 3G/GPS/ Wi-Fi/ Bluetooth</li> </ul> <p>2) <b>New Platform :Core i5/i7 QM57</b></p> 
2	<p><b>Rugged/ "Mobile Rugged" Tablet PC</b></p> <p>1) Standard Rugged Tablet PC</p> <ul style="list-style-type: none"> <li>-I88/I98/IA8/V28</li> </ul> <p>2) <b>Mobile Rugged Tablet PC</b></p> <ul style="list-style-type: none"> <li>- <b>I88D/IL81T/I98/IA83</b></li> </ul> <p>3) - MIL-810 (Military)</p> <ul style="list-style-type: none"> <li>- <b>UL1604 (Class 1, Div.2)</b></li> <li>- Built-in 3G/ GPS (Mobile Tablet PC)</li> <li>- mini-PCIe SSD(PATA/SATA) (Mobile Tablet PC)</li> <li>- Finger Printer (Mobile Tablet PC)</li> <li>-Can Bus/ RS485/ VGA-in For Tablet PC</li> <li>-Support Hotswap Battery Function</li> </ul>   

# 工作計劃- Rugged Mobile Computing -2



No.	Tablet PC
3	<p><b>“Compact Rugged” Handheld</b></p> <ul style="list-style-type: none"> <li>- 3.7” 、 5.7” based on Cortex A8</li> <li>- <b>Windows CE® 6.0/ Linux</b></li> <li>- Supported <b>Sunlight readable</b> LED panel</li> <li>- <b>IP67</b> Water and dust proof</li> <li>- Complies with <b>MIL-STD 810F</b> Standard</li> <li>- 3.7” Mobile HH POS (?)</li> <li>- Windows Mobile OS; Windows Handheld Embedded (?)</li> <li>- <b>(Study) i-pad like table pc, Android 2.1, Cortex A9 (?)</b></li> </ul> <div style="display: flex; justify-content: space-between; align-items: center;">   </div>
4	<p><b>“Compact Rugged” tablet</b></p> <ol style="list-style-type: none"> <li>1) 7” Rugged Tablet PC (with 3G/GPS/WiFi/BT) <ul style="list-style-type: none"> <li>- <b>Lightweight design</b></li> <li>- <b>GPS built-in design</b></li> </ul> </li> <li>2) 7” Handheld for China (with WiFi/Bluetooth) <ul style="list-style-type: none"> <li>-Support Hotswap Battery Function</li> </ul> </li> <li>3) 10.4” Medical <b>(UL60601)</b> support Finger printer/ Barcode reader/ RFID scanner.</li> <li>4) 7” tablet pc with new Atom Z6xx (OakTrail) CPU:2.9W</li> </ol> <div style="display: flex; justify-content: space-between; align-items: center;">    </div>

# Industrial Display

No.	Industrial Display
1	<p><b>Wireless Display (i-Pad like display) :</b>                      - 10.1" LED monitor with WUSB, Projective-Cap Touch R1H550</p>
2	<p>USB 3.0 Display:                      - 10.1" with one USB cable (VGA+Touch+power)</p>
3	<p><b>4 CVBS (NTSC) video input</b>                      -15" (4:3) LCD monitor, resolution:1024x768                      -4 video shown on one screen (divided by 4)                      and selecting one full screen</p>
4	<p><b>Mstar Scalar Board series :</b>                      -M7X, size as R7X600 · VGA+DVI                      -M5A, size as G5A</p>
5	<p><b>Multi-Touch Solution</b>                      - 5.7" ~ 15" Resistive /P-Cap Touch                      - 32" ~ 65" IR-Touch</p>
6	<p><b>High Brightness LED - 7", 8.4", 10.4"~19"</b></p>



# Digital Signage

No.	Plan items
1	<p><b>New Signage Player 1</b></p> <ul style="list-style-type: none"> <li>-Twin Harbor (Core i5) + WES7+MSO Pro</li> <li>-x86 based,</li> </ul> 
2	<p><b>New Signage Player 2:</b></p> <ul style="list-style-type: none"> <li>- A370 + MXM Graphic Card +MSO Pro</li> <li>- I771 + MXM Graphic Card +MSO Pro</li> </ul>
3	<p><b>LED Smart Signage Display:</b></p> <ul style="list-style-type: none"> <li>- 32" LED OMA1</li> </ul> 
4	<p>Rock Harbor (ODM project)</p> <ul style="list-style-type: none"> <li>- Core i5 / Core i7 + Sandy bridge</li> </ul>

# Solution bundles

	Available	Nov, '10	Dec, '10	Q1, 2011	Q2, 2011
Rugged + military					
Rugged + logistic					
Automation					
Transportation					
Signage					

NOT ONLY DO IT GOOD,  
WE DO IT RIGHT.