



Outdoor Semi-outdoor Rugged AIO Touch Panel PCs introduction

2020

Content



We Commit We Deliver

- ◆ Target applications
- ◆ Dedicated designs to solve owner pains
- ◆ Product Portfolio and Strategy
- ◆ Awards and successful stories



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Target applications



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- ◆ The operation stations which need a panel PC working under Outdoor / Semi-outdoor environment, such as KIOSK/ way finder / signage / HMI ...



Issues if outdoor PC is no well designed



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- ◆ The operation stations which need a touch panel PC working under Outdoor or Semi-outdoor environment and system owner may face some pain points such as :
 - ❑ UV light within sunlight damages touch screen
 - ❑ System shut down due to high temperature from sunlight
 - ❑ System cannot be turned on due to cold temperature
 - ❑ Strong sunlight makes LCD screen hard to read
 - ❑ LCD is too bright in the night
 - ❑ High humidity, dust around leads to chassis erosion
 - ❑ Ambient temp. change causes water condensing to damage
 - ❑ System cannot run 24/7/365



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Solutions for outdoor HMI panel PC



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1. **Sunlight readable** design to make LCD picture clear under sunlight
2. **Auto-dimming** design to make LCD picture easily read in the dark
3. **Anti UV** design to keep touch screen & LCD from sunlight damage
4. **Smart cooling** keeps PC from burned down under direct sunlight
5. **Smart heating** wakes up PC under low temp.
6. **Robust enclosure meets full IP proof**
7. **Smart ventilation** avoids water condensation
8. Options for information exchange
9. **External I/O by cable gland for easy installation**
10. **Vandal proof touch screen available**
11. Warranty and longevity supporting



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Longevity component supporting



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1. Embedded line LCD is min. 2 years supporting (by LCD vendor policy).
2. Intel embedded line CPU/PCH is min. 15 years supporting (by Intel policy).
3. No EOL issue is by Wincomm design parts.
4. Product sales period is typically 5~7 years, and Wincomm issues EOL notice 6 months before product stop delivery.
5. Prior to EOL, Wincomm provides solution to keep 5~7 years life time.



Product Portfolio and Strategy











Semi-outdoor and Outdoor Product Selection



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◆ Product Series and Selection Guide

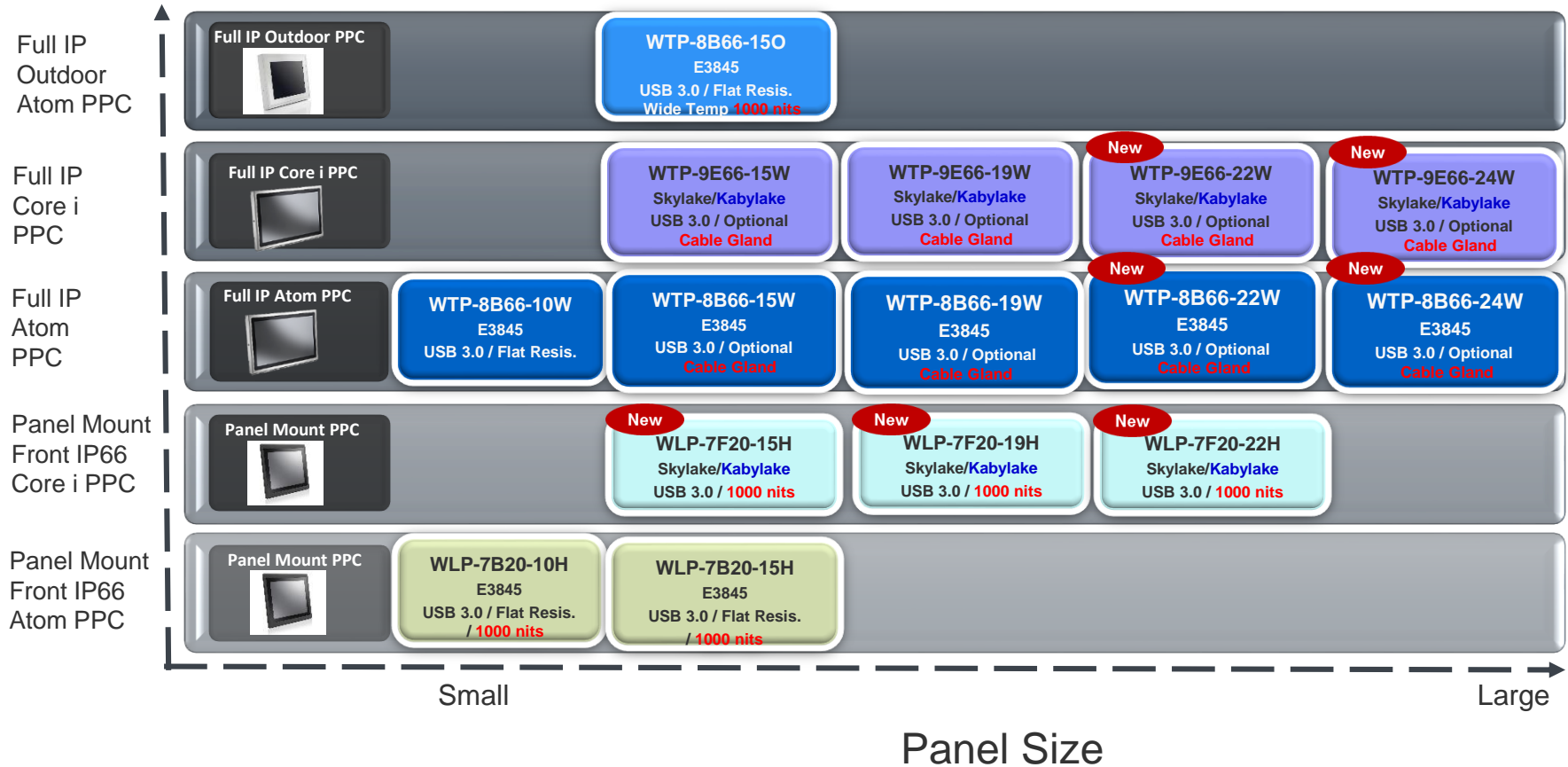
Installation Type	Housing Design	IP Rating	Operation Temp	Sunlight Readable	CPU	Model NO
  Embedded Inside	 Panel Mount	Front IP66	-20~60°C	1. 1000 nits Panel 2. Optional Optical Bonding	Intel® 6th/7th Core i	WLP- 7F20-15H /19H /22H
	 Optional: Open Frame				Intel® Atom E3845	WLP- 7B20-10H /15H
  Stand Alone	 Chassis Type Stainless Steel 6-Sides	Six Sides IP66 to IP69K	-20~60°C	1. Optional 1000 nits Panel 2. Optional Optical Bonding	Intel® 6th/7th Core i	WTP- 9E66- 15W/19W/ 22W/24W
	 Customization: Chassis Type SECC				Intel® Atom E3845	WTP- 8B66- 10W/15W/ 19W/22W/ 24W

Rugged Wide Temp Industrial Panel PC Series Portfolio



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Product Type



Skylake / Kaby Lake Core i Platform



**Wide Temp High Brightness Front IP66
Panel Mount WLP-7F20-15H/19H/22H
Series**

Optional: Open Frame



**Suit for Embedded Kiosk
for Outdoor/Semi-outdoor
Solutions**

**Wide Temp Full IP (Six Sides Stand Alone)
WTP-9E66-15W/19W/22W/24W Series
Skylake / Kaby Lake Core i**



**Suit for Stand Alone
Outdoor/Semi-outdoor
Solutions**

Atom E3845 Platform

**Wide Temp High
Brightness Front IP66
Panel Mount WLP-7B20-
10H/15H Series**
Optional: Open Frame



**Suit for Embedded Kiosk
for Outdoor/Semi-
outdoor Solutions**

**Wide Temp Full IP
Stainless Steel
WTP-8B66-
10W/15W/19W/22W/24W**



**Suit for Stand Alone
Outdoor/Semi-outdoor Solutions**

**Wide Temp 1000 nits
Solar Test Proofed
Full IP
WTP-8B66-15O Series**



Awards and successful stories



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- ◆ 2017 Taiwan excellence award:

The screenshot shows the website for the 2017 Taiwan Excellence Award. The top navigation bar includes 'TAIWAN EXCELLENCE', 'News', 'Taiwan Excellence Award', 'Product Search', 'Taiwan Products', 'Service', 'AA +/-', and 'English'. Below this is a breadcrumb trail: 'Home > Product Search > Taiwan Excellence Award'. A secondary navigation bar features 'Product Search', 'Taiwan Excellence Award', 'Taiwan Excellence Gold Award', 'Taiwan Excellence Silver Award', and 'Product Search'. A prominent red banner displays the 'Taiwan Excellence Award' logo and text. The main content area is split into two columns. The left column features a large image of a white, square outdoor touch panel PC. The right column contains the product details: the 'TAIWAN EXCELLENCE 2017' logo, the product name 'Outdoor Wide Temp. Full IP66 Waterproof Touch Panel PC', the model number 'WTP-8B66-150', and the manufacturer 'Wincomm Corporation'. Below the text are three icons: a question mark, Facebook, and a printer icon.

Successful story - 1



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- ◆ Application: Bus stop signage
- ◆ Field Site: Japan

Selling Points

- ✓ Anti UV design to keep touch screen & LCD from sunlight damage
- ✓ Workable under direct sunlight
- ✓ Sunlight readable
- ✓ Auto-dimming
- ✓ Workable under -20°C



Successful story - 2



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- ◆ Application: Parking access
- ◆ Field Site: USA

Selling Points

- ✓ Anti UV design to keep touch screen & LCD from sunlight damage
- ✓ Workable under direct sunlight
- ✓ Sunlight readable
- ✓ Auto-dimming
- ✓ Workable under -20°C



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Successful story - 3



We Commit We Deliver

- ◆ Application: Parking access
- ◆ Field Site: EU

Selling Points

- ✓ Anti UV design to keep touch screen & LCD from sunlight damage
- ✓ Workable under direct sunlight
- ✓ Sunlight readable
- ✓ Auto-dimming
- ✓ Workable under -20°C



Successful story - 4



We Commit We Deliver

- ◆ Application: Bike-share stations
- ◆ Field Site: USA

Selling Points

- ✓ Anti UV design to keep touch screen & LCD from sunlight damage
- ✓ Workable under direct sunlight
- ✓ Sunlight readable
- ✓ Auto-dimming
- ✓ Workable under -20°C





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Thank You!