

Next Generation of HMI in 2013- iF awarded -16:9 Thin-Client Panels



product
design award

2013



Enabling an Intelligent Planet

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TPC-1840WP/2140WP

- 18.5" / 21.5" w/PCT
- Dual Core CPU
- 4GB Memory
- mSATA/mPCIe



SPC-1840WP/2140WP

- 18.5" / 21.5" w/ PCT
- Dual Core CPU
- 4G Memory
- All-around IP66
- M12 connectors



FPM-7181W/7211W

- 18.5" / 21.5"
- PCT
- VGA / DVI



Specifications improvement

1

Operating temperature



➤ Standard 0-55°C

For all the PN's

➤ Extended -20+60°C

For
51H series

&

New thin client TPC-1251T/TPC-1551

2

IP protection



True flat advantage:

✓ IP66 protection

✓ Unique look and feel

✓ Multitouch series 16:9

✓ Thin client series 4:3 (51T series)

Stationary Panel Computer with All-around IP66 Waterproofing

Versatile VESA Mounting for Different Applications

Arm Stand Wall

The image shows a hand interacting with a touch screen on a stationary panel computer. The background is a blue-tinted image of a car. The text 'Stationary Panel Computer with All-around IP66 Waterproofing' is prominently displayed in white. Below it, 'Versatile VESA Mounting for Different Applications' is written in yellow. At the bottom, three icons represent different mounting options: 'Arm', 'Stand', and 'Wall'.

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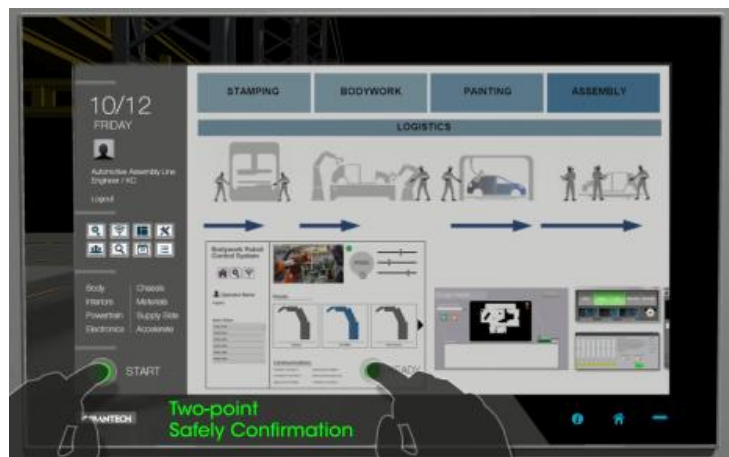
Widescreen & Multi-touch



- **16:9 Wide Format**
 - Programming and Runtime in popular 16:9 world
 - More 40% space for rich visualization and Content

- **Multi-touch**

- Two-Hands Safety
machine and recipe adjustment
- Zooming
detail info or statistics chart
- Swiping & Multi-Fingers
3D Rotation or Scrollable toolbars



Intelligent Management

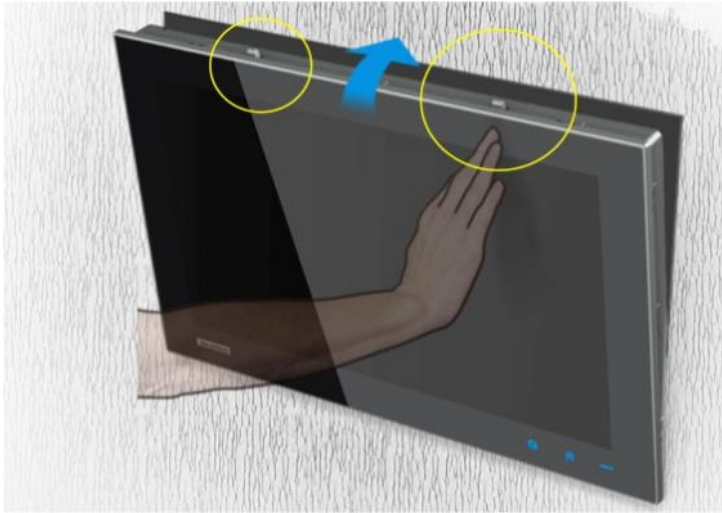


- **Built-in Chip for Remote Mgmt**
 - Remote Monitoring
 - Remote On/Off, KVM
 - System Recovery
 - System Protection



- **Intelligent Key for On-site Mgmt**
 - Brightness Setting
 - System Info & Health Status
 - Quick start
 - Customized Intelligent Key

User Friendly Design



- **Easy Installation**
 - One Person for panel mounting
- **Quickly Enable/Disable Touch**
 - Long press Home key to disable or enable touch



- **Raise Touch Durability**
 - Use electrical conductor to sense
 - 7H Glass for scratch & chemical resistance
 - Coating to lower reflection & finger print

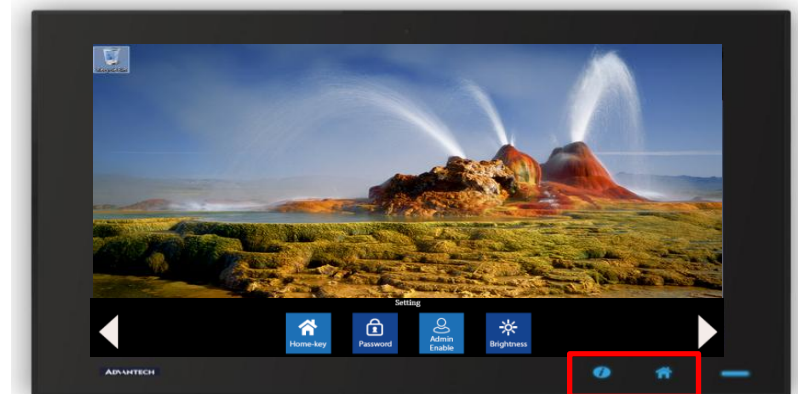
Intelligent Key for Intuitive Operation

- **Intelligent Utility : GL Utility (Graphical Line)**

- Setting (Brightness, Password, Home-key)
- System Management
 - System Information
 - Self-Diagnosis
- Quick start (Max. 8)

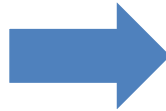
- **Customized Intelligent Keys**

- i Key : Ctrl-Alt-shift-I
- H key : Ctrl-Alt-shift-H



PCT Multi touch Benefit

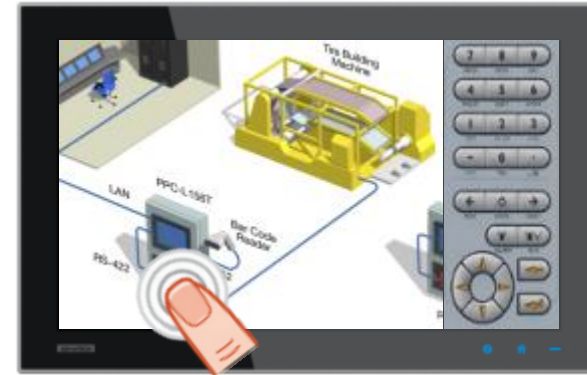
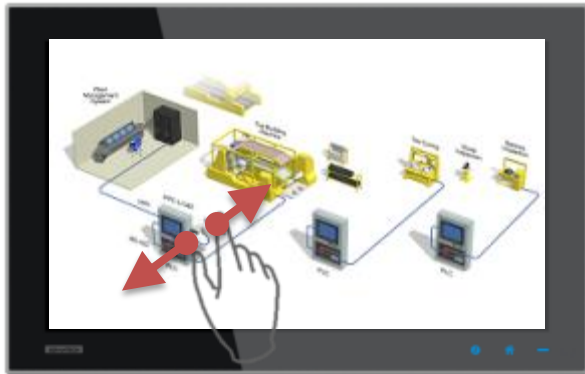
- Industrial market is deeply affected by consumer device, people will like to have the same experience when work.
Intuitive experience migrate to workplace. By new product, we can provide the H/W platform to be the device running new HMI S/W.



- Higher durability
 - 7H Glass, better Scratch resistance
- No need for Calibration

Multi touch benefit in automation

- Process monitoring, enlarge real time image, select device and setting.






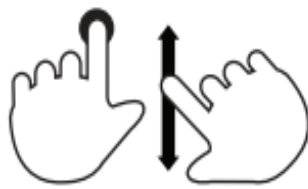




- 2 Hands operation if required for Safety reasons, during machine set-up/testing ...



Wide Screen, Multi-Touch Supporting OS

- Windows 7, Windows Server 2008, Windows 8 Desktop Mode and Windows Server 2012 Desktop Mode

| zoom | PAN | FLICK | ROTATE |
|--|--|--|--|
|  |  |  |  |
| TWO-HAND OPERATION | PRESS AND TAP | TWO-FINGER TAP |  |
|  |  |  | |

SCADA SW suppliers supporting Multitouch

- Food and beverage applications



- Automotive and Packing industry

SCADA and HMI SW for
Automation from COPA-DATA.



**For business opportunities, approach the SIs of
the Multitouch SCADA SW suppliers**

More information

<http://www.advantech.com/Industrial-Automation/HMI/>

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Changing the Face of Industrial HMI



Changing the Face of Industrial HMI

Wide-screen, multi-touch

 Free WEBINAR





White Paper Free Downloads

Getting the Wider Picture and Benefiting From It

Outstanding Features

Video

Product Offering

Free Downloads

HMI Forum

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TPC series : panel mount (56mm depth)



Rich I/O – 4xCOMs, 2xLANs, 2xUSBs, HDMI, Audio

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SPC series : stand mounting (65mm depth)



All-around Die-casting IP65 with M12 connectors

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SPC: Stand alone evolution

Before



Now



Advantages:

1. No additional cabinet required
2. True full IP66
3. Thin solution
4. Better thermal solution
5. Design solution (no anymore square boxes)