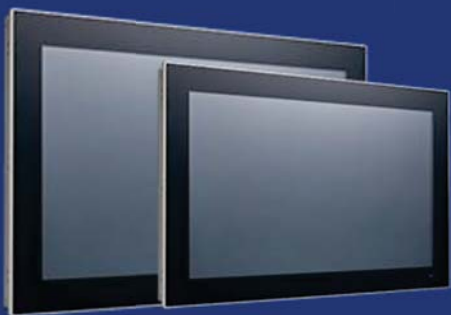


PPC- 3211SW / PPC-3181SW Sales Kit

Fanless 21.5" / 18.5" Panel PC
with Intel 6th Gen Core I CPU



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Features



- **Industrial** wide screen display
- True flat & IP65 front Panel
- P-Cap Multi-touch screen
- Power indicator LED on front

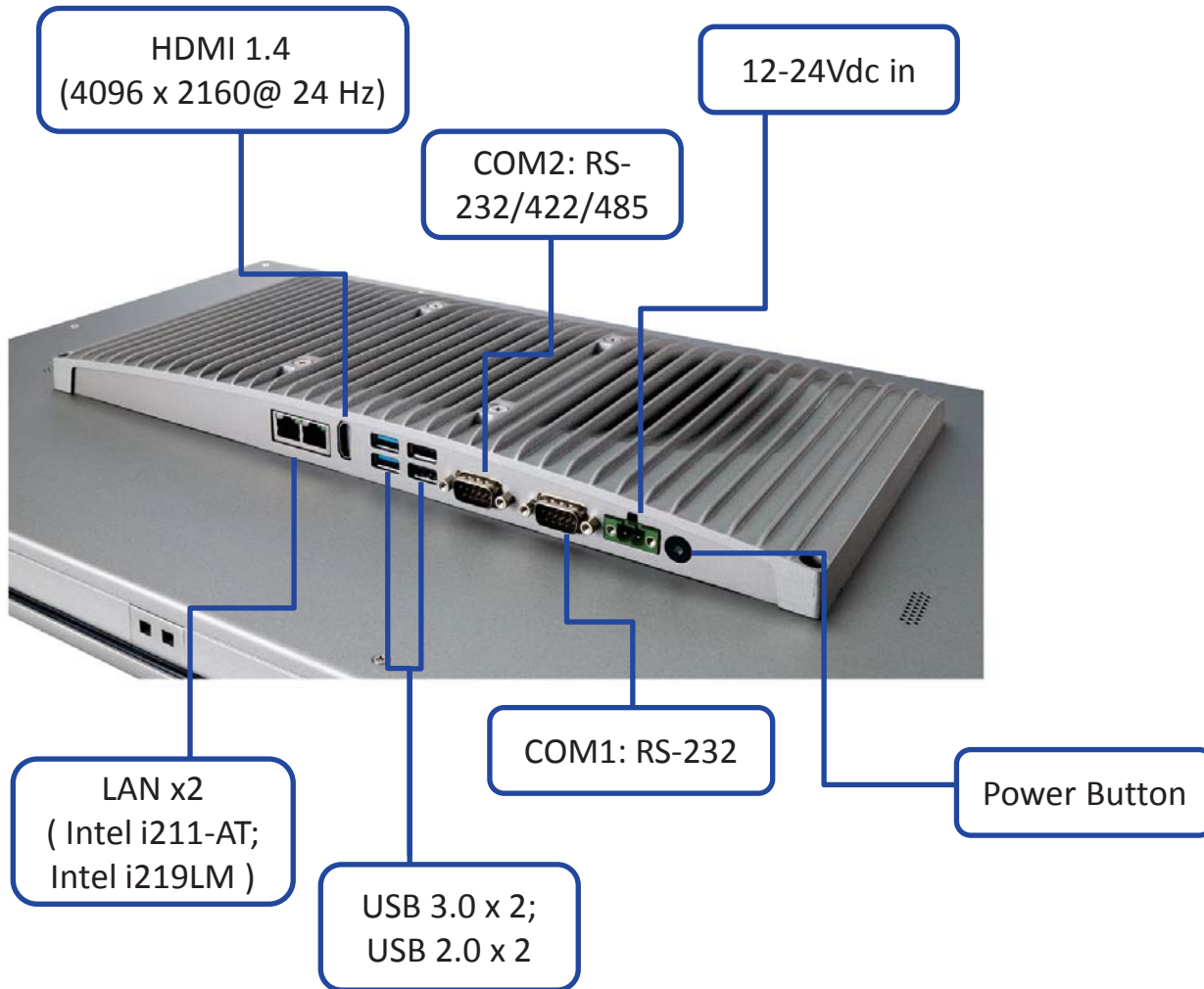


- Powered by **Intel 6th Gen Core i** processor
- Optimized thermal design on rear cover

- **Essential I/O ports**
- **Wide range of power input**
- **Enhanced ESD protection (Level 4)**

- **Fanless Design w/ solid Al Alloy enclosure**
- **Panel mounting/VESA 100 support**
- **2 x 1W speaker**

Less Volume, More Power



Features

- Intel 6th Gen Core i5-6300U processor (i7-6500U or i3-6100U optional)
- Wide range DC power input
- Dual 10/100/1000Mbps Ethernet port
- 1 x HDMI 1.4
- 1 x mSATA or 1 x 2.5" SSD storage
- 1 x mini PCIe expansion for wireless card

Benefits

- ✓ High CPU performance at lower power
- ✓ Enhanced power coverage of wiring loss and ground noise to protect system stable operating
- ✓ Dual display for monitoring
- ✓ Reliable ethernet access powered by Intel chip
- ✓ Slim and robust mechanical protection(ESD level 4)

Specifications

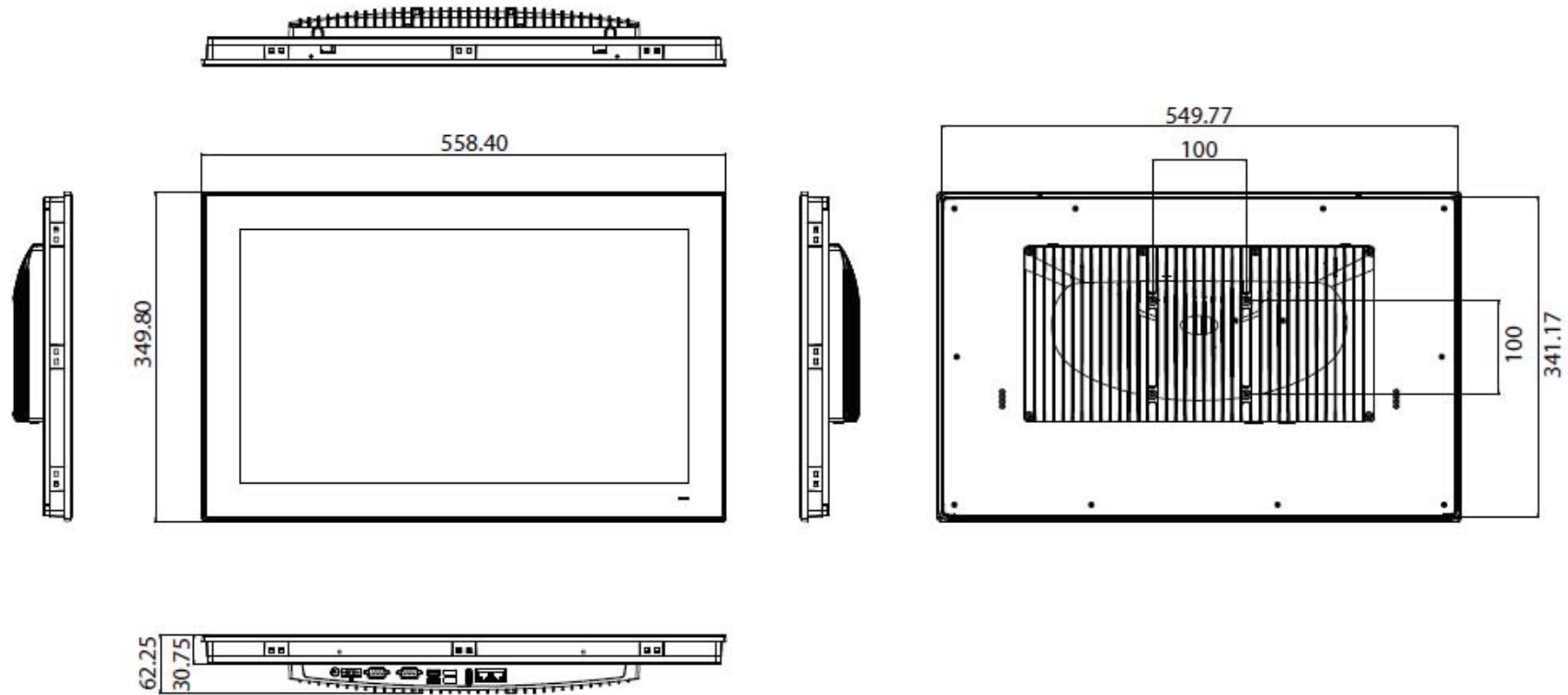
		PPC-3211SW	PPC-3181SW
LCD Display	Display Type	21.5" FHD TFT LCD (LED Backlight)	18.5" TFT LCD (LED Backlight)
	Resolution	1920 x 1080	1366 x 768
	Luminance (cd/m2)	300	450
	Contrast Ratio	5000	1000
	Backlight Lifetime	50,000 hrs	50,000 hrs
Touch screen	Touch Type	Projected Capacitive Multi-Touch 10 Point	Projected Capacitive Multi-Touch 10 Point
	Light Transmission	90 % ± 3 %	90 % ± 3 %
Processor System	CPU	Intel 6th Gen Core i5-6300U, dual core . (Core i7-6500U/i3-6100U optional)	
	Memory	1 x SO-DIMM DDR4 1866/2133 MHz (max. 16 GB) (1.2 V)	
	Storage	1 x 2.5" SATA Bay; 1 x mSATA Bay	
	Network (LAN)	2 x 10/100/1000 Mbps Ethernet (Intel I211-AT; Intel I219LM)	
	I/O ports	2 x Serial ports: 1 x RS-232, 1 x RS-232/422/485(Adjustable through BIOS) 2 x USB 3.0, 2 x USB 2.0; 1 x HDMI	
	Speaker	2 x 1W	
	Expansion	1 x Full size Mini PCIe slot	
	OS Support	Windows 7/8.1/10, WES7, Linux	

PPC-3211SW

PPC-3181SW

	PPC-3211SW	PPC-3181SW	
Physical Characteristics	Dimension	558.4 x 349.8 x 62.2 mm (21.9" x 13.7" x 2.4")	488 x 309 x 61.7 mm (19.2" x 12.1" x 2.4")
	Weight	6.8Kg (14.9lb)	5.9 kg (13lb)
Power Consumption	Input Voltage	12 ~ 24 Vdc	12 ~ 24 Vdc
	Power Consumption	75W	65W
Environment	Operating Temperature	0 ~ 50° C (32 ~ 122° F) with SSD 0 ~ 45° C (32 ~ 104° F) with HDD	
	Storage Temperature	-20 ~ 60° C (-4 ~ 140° F)	
	Relative Humidity	10 ~ 95% @ 40° C (non-condensing)	
	Shock	Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27	
	Vibration	Operating Random Vibration Test 5 ~ 500Hz, 1Grms @with HDD; 2Grms @with SSD, follow IEC 60068-2-64	
	EMC	CE, FCC Class B, BSMI	
	Safety	CB, CCC, BSMI, UL	
Front Panel Protection	IP65 compliant		

Dimensions of PPC-3211SW

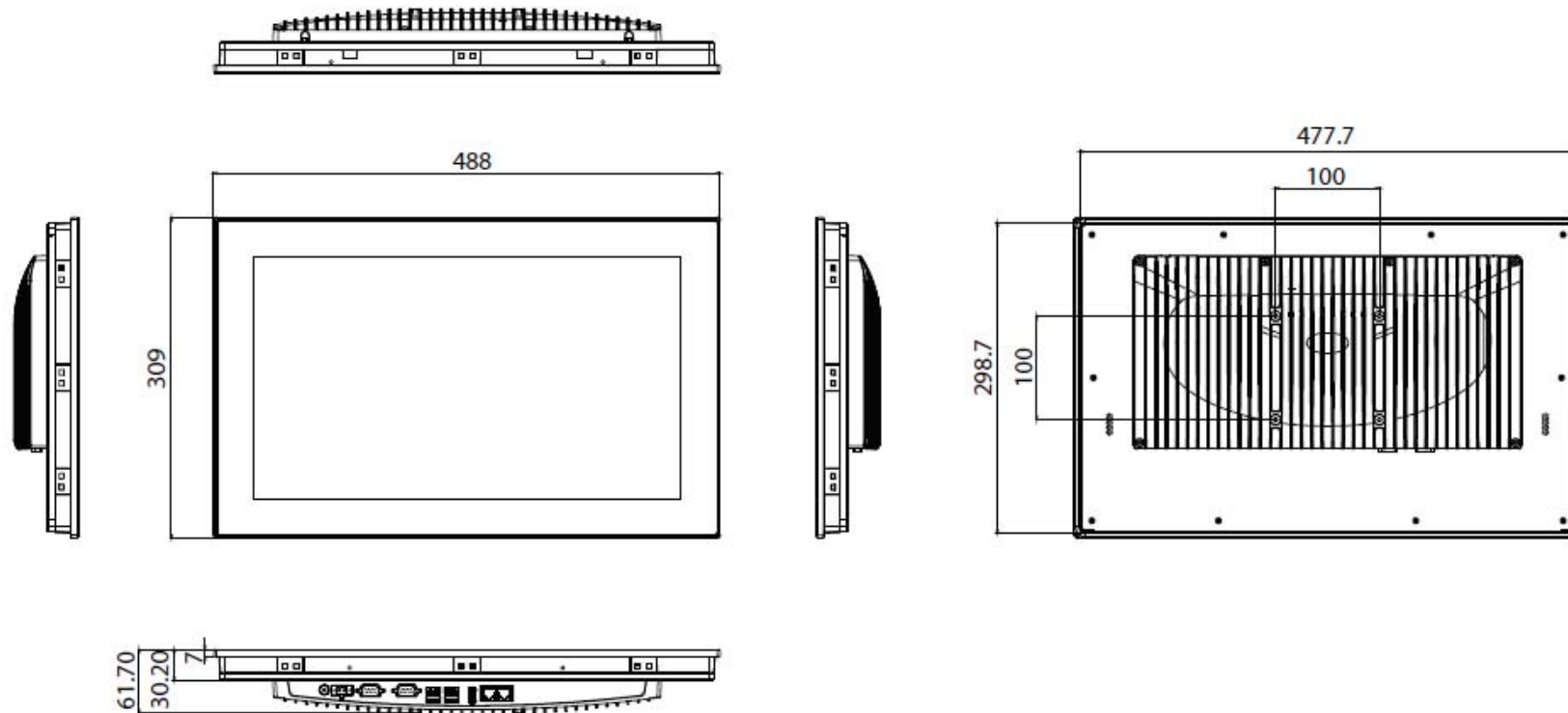


Cut-out dimension: 550.3 x 341.8 mm

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Dimensions of PPC-3181SW



Cut-out dimension: 479.3 x 300.3 mm

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Ideal for MES solutions with reliability, flexibility and easy integration

Fanless Design

Excellent passive cooling for dusty environment operation.
High stability and outstanding MTBF.



Wide Range Power Input

From **12V** to **24V** to fulfill different applications

Superior Thermal Design

Patented thermal design for
Core i computing solution.



Robust & Anti-Vibration

Solid aluminium enclosure;
Mechanical protection up to **2G** vibration
and **10G** shock



Easy integration

21.5" & **18.5"** True flat front panel with
IP65 protection
Panel mounting and VESA 100 support

EMC & Safety Certifications



High C/P Value

Simple with essential IO function

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ADVANTECH

Ideal for MES solutions

with reliability, flexibility and easy integration



Powerful 6^o Gen. SkyLake CPU



P-Cap True Flat Monitor IP65



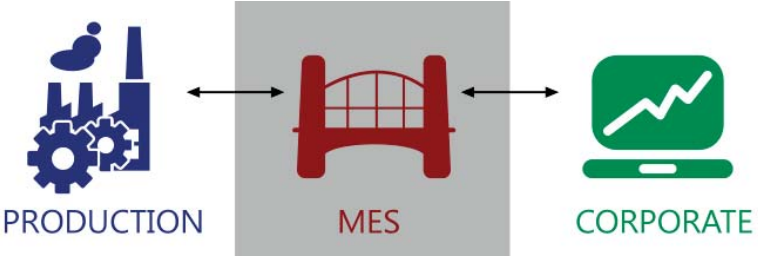
Aluminium Alloy Enclosure



Ideal for Shop Floor MES Application



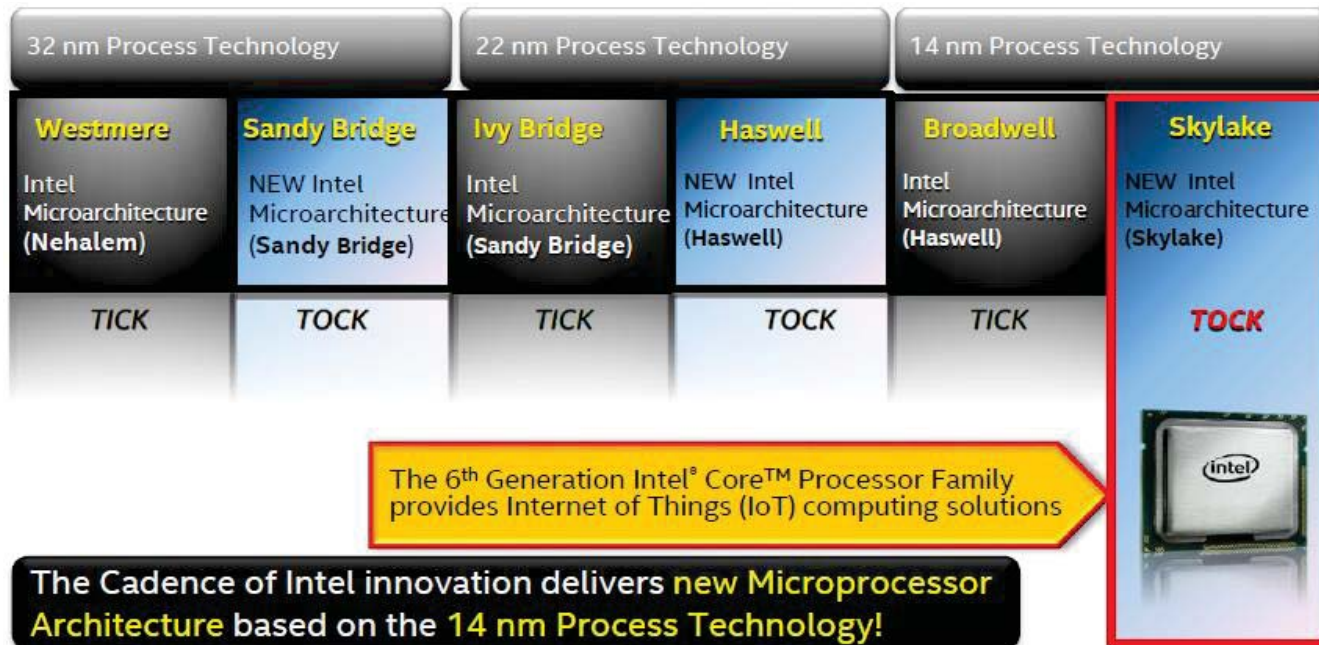
21.5" & 18.5"



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Benefit from Intel 6th Gen Core i

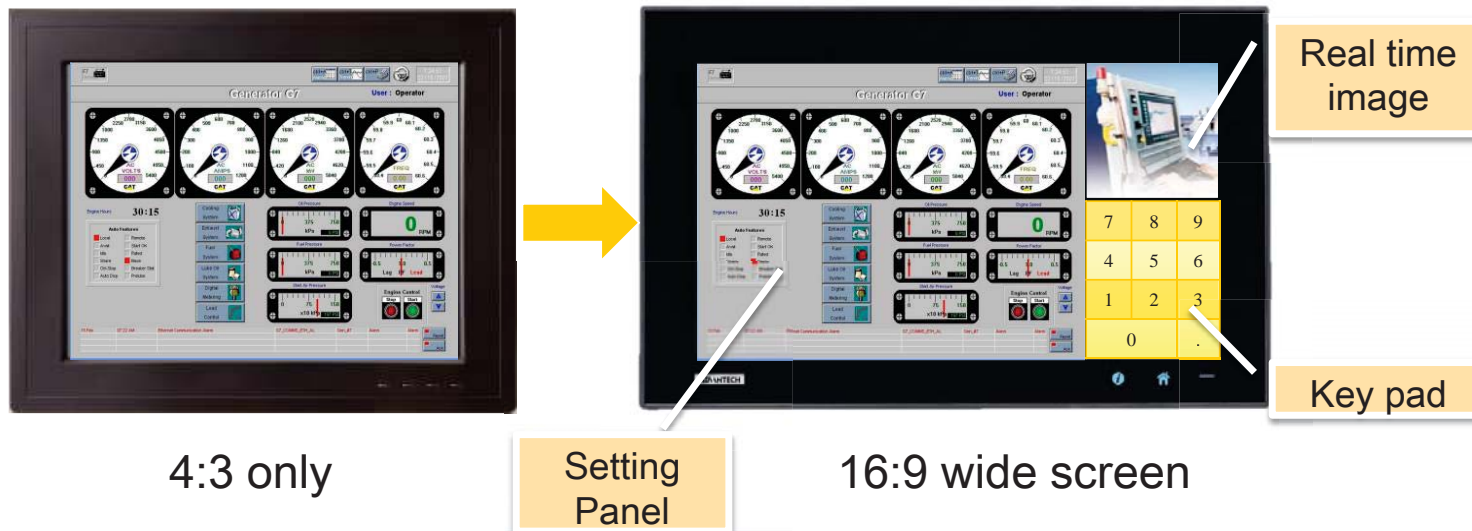


Advancement

- ✓ Better CPU performance at lower power
- ✓ Fast memory DDR4 of long-life designs
- ✓ Up to 50% better 3D graphic
- ✓ Flexible and high speed IO
- ✓ Added security

Large optimized Ratio Wide Screen with True flat

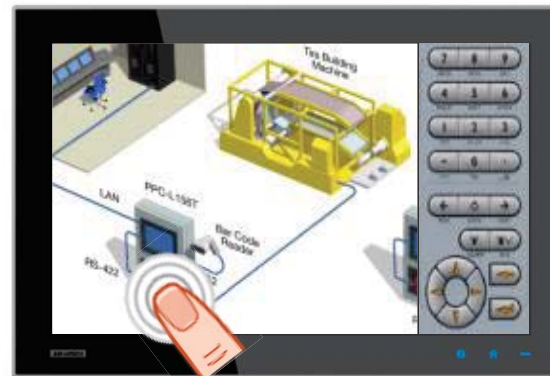
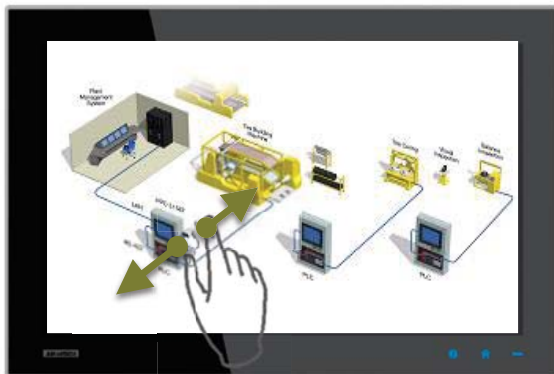
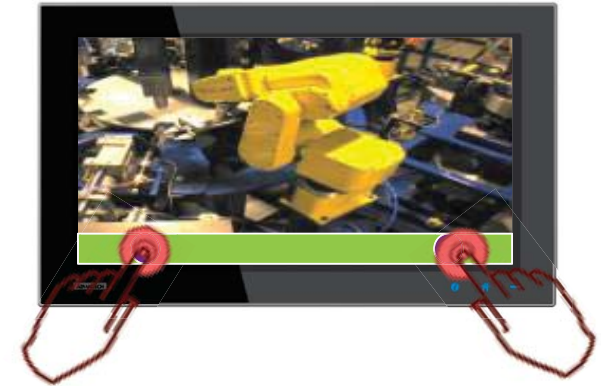
- Slim, Simple and Low profile
- Optimized Ratio Wide screen – **21.5" & 18.5" (16:9)**
- Entirely **True Flat** panel, easy to clean
- Compliant to **IP65** front panel design
- Light yet Robust aluminum / Magnesium die-cast front bezel



**Increase
40 % Space**

Multi-touch Benefit







- Two-Hands Safety
 - Machine adjustment, Recipe adjustment
- Zoom In/Out
 - Positioning, detail information or statistics chart
- Swiping & Multi-Fingers
 - 3D model Rotation, Scrollable toolbars,
 - Drag & drop individual screen elements in the runtime
- Intuitive experience



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Ordering Information

Item	Description	Image
PPC-3211SW-P65A	21.5" Fanelss Panel PC with Intel Core i5-6300U, Pcap multi touch	
PPC-3181SW-P65A	18.5" Fanelss Panel PC with Intel Core i5-6300U, Pcap multi touch	
96PSA-A90W19OT-1	Power Adapter, AC100 ~ 240V, 90W, 19V	
PPC-WLAN-B1E	WiFi module with wireless card and antenna	
PPC-ARM-A03	ARM kit	
PPC-174T-WL-MTE	Wall mounting kit	
PPC-Stand-A1E	Standing kit	