

# PCA PowerStations

Our Next Generation Industrial PC PowerStation provides powerful processing in a rugged, thin package



Parker's PCA, the Industrial PC PowerStation, provides a rugged exoskeleton with more processing power than ever before in a fan-less, esthetic design that exceeds even modern expectations.

## Unleash Your Application

The PCA contains a quad core processor that unlocks the power of any 3rd party or in-house developed application.

Communicate with multiple devices using dual-LAN, multiple USB, or traditional serial ports. With a configurable RS232/422/485 serial port the PCA does not constrain your communication options.

The PCA provides immersive and rich colors to graphics, animations, and critical data updates faster than ever before. All this paired with the incredibly responsive touch screen allows you to unleash your application.

## Reduced Cabinet Size

As machines have reduced in size, space saving within enclosures has become an increasingly important feature.

Offered in a variety of sizes from a compact 7" to a immersive 22", the PCA depth of each HMI offers minimal intrusion into the cabinet allowing the PCA to fit where other Industrial PCs cannot.

The widescreen aspect ratio provides 40% more screen space over a traditional 4:3 ratio, providing room for additional functionality or a decluttered screen that provides clear information and reduces opportunity for operator error.

With it's minimal footprint, the PCA's ultra-efficient processor limits energy usage and heat generation allowing closer spacing with other devices in the same cabinet space.

## Increased Reliability

The PCA is not a standard Industrial PC, every aspect of it's design protects against common failure modes to provide long lasting and reliable operation and to eliminate machine downtime and maintenance.

The PCA's fan-less design allows users to install-and-forget by avoiding the most common component failure in Industrial PCs: the fan.

In addition, the PCAs ventless design helps shield against metal filings and other contaminants from entering into the unit eliminating any need to internally dust or clean the unit.

Coupled with a mechanically reinforced SSD and intensive shock and vibration specifications, the PCA is meant to withstand the most intense industrial applications.

## Secure Remote Access

Easily win over IT with Dual LAN ports that enable users to separate machine networks to those exposed to either the office network or the Internet.

This is especially critical in applications implementing motion or process control software where safety is a concern.



## PCA Features

- 7, 10, 15 and 22" touchscreen displays
- No display option
- 1.83GHz Quad Core
- 4GB DDR3L
- 2 USB, 2 Serial, 2 LAN ports
- 64 GB SSD
- Slim 1.3" cabinet depth
- Fan-less and vent-less
- IP65 aluminum bezel
- Analog resistive & projected capacitive touchscreen options



ENGINEERING YOUR SUCCESS.

## Same Form Factor, Endless Applications

The PCA is part of Parker's Next Generation of HMI and Industrial PC product lines.

Offering the same esthetics for machine level, supervisory HMI, and Industrial PCs allows for a seamless design and consistent brand image across product ranges.

The PCA, IX, and XT series offer the same mechanical fit between their respective sizes. This reduces the engineering time for different machine options or varying applications.



7" and 15" XT Series running Interact Xpress

## The Next Generation Product Family

### IX InteractX PowerStation



The IX and PCA run on the same hardware providing powerful performance for any application. However, the IX comes pre-loaded with Parker's InteractX runtime.

InteractX is a supervisory level Windows HMI that leads the industry with breakthrough HMI graphics and built-in connectivity.

InteractX 4.0 provides powerful trending and analysis tools that aggregate data from multiple machines or work-cells, and easily pulls Interact Xpress machine level HMI screens and data directly into its interface—without having to recreate applications or input tags!

- Full featured historical trending software
- Sophisticated recipe management tools included
- ActiveX controls for easy integration of 3<sup>rd</sup> party tools
- Includes Visual Basic for applications (VBA) for advanced customization
- Vast 3<sup>rd</sup> party OPC client/server support
- One-click multi-language support
- Unlimited tags
- 50+ communication drivers

### XT Xpress Terminal

Far more than a push-button replacement, the XT includes Parker's award winning Xpress Terminal software that allows connectivity over the web enabling Information Anywhere™! Six pre-made levels of security allow machine builders to easily provide remote access to users on any device either a PC, iOS or Android using Parker's Remote Manager App.

- 50+ Communication drivers to PLCs and various industrial devices
- Drag and drop GUI simplifying machine development
- Sophisticated recipe management tools included
- Preconfigured and custom Panel tool library for quick screen development

# PCA PowerStation Specifications

Features	PCA-000	PCA-007	PCA-010	PCA-015	PCA-022	
Size		7"	10.1"	15.6"	21.5"	
Resolution	Headless PCA; has no display, but has an HDMI and VGA video out port	WVGA (800x480)	WXGA (1280x800)	FWXGA (1366x768)	HD (1920x1080)	
Viewing Angle		140(H) / 110(V)	160(H) / 160(V)	160(H) / 160(V)	178(H) / 178(V)	
Brightness		350 cd/m2	350 cd/m2	300 cd/m2	250 cd/m2	
Bulb Life (hrs)		40,000	40,000	50,000	30,000	
Weight (lbs)		2.0	2.58	4.24	10.34	16.94
Touch Interface		—	Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive or Projected Capacitive
Power Input	12/24 VDC @ 7W	12/24 VDC @ 9W	12/24 VDC @ 11W	12/24 VDC @ 18W	12/24 VDC @ 20W	
Processor & RAM	Intel Bay Trail N2930 (1.83 GHz Quad Core) with 4GB DDR3L					
SD Storage	64 GB SSD					
Operating System	Windows Embedded Standard 7P					
Ports	USB	(3) USB 2.0; (1) USB 3.0	(1) USB 2.0; (1) USB 3.0			
	Serial	(1) RS-232/422/485; (1) RS-232				
	Ethernet	(2) 1000 Base-T, RJ45				
	Audio Out	(1) Audio Out				
Environment	Operating Temp	-10 – 60 °C	0 - 50 °C			
	Storage Temp	-40 - 85 °C	- 20 - 60 °C			
	Rel. Humidity	10-90% @ 40°C, non-condensing				
	Vibration	5-500 Hz: 1 Grms random				
	Shock	15 G peak @ 11 msec				
	IP Rating	IP65 Front Bezel				
Agency Approval	CE, UL/cUL, IEC/EN61010, FCC Class A, Haz-Loc (Class1 Div2)*, RoHS, REACH					

## PCA Ordering Information

Order Example:	①	②	③	④	⑤	⑥	⑦	⑧
	PC	A	- 015	- 3	R	3	- 5	3

Select an option from each numbered field to create a complete model order code, not all combinations are valid.

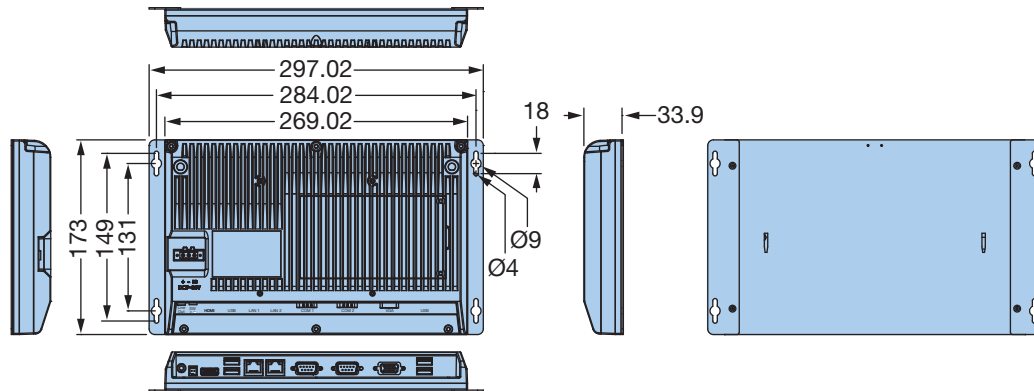
① Series Name PC	Industrial PC PowerStation	⑤ Touch Options N R P	No display Analog resistive touch Projective Capacitive
② Bezel Type A	Aluminum	⑥ Storage 3	64GB solid state drive
③ Size 000 007 010 015 022	Headless Display 7" Touchscreen 10" Touchscreen 15" Touchscreen 22" Touchscreen	⑦ Operating System 5	WES7P
④ Processor 3	Intel N2930 Bay Trail	⑧ Agency Approvals 3 5	CE, UL/cUL, IEC/EN61010 Haz-Loc (Class 1 Div2)*

\* Haz-Loc certification coming soon

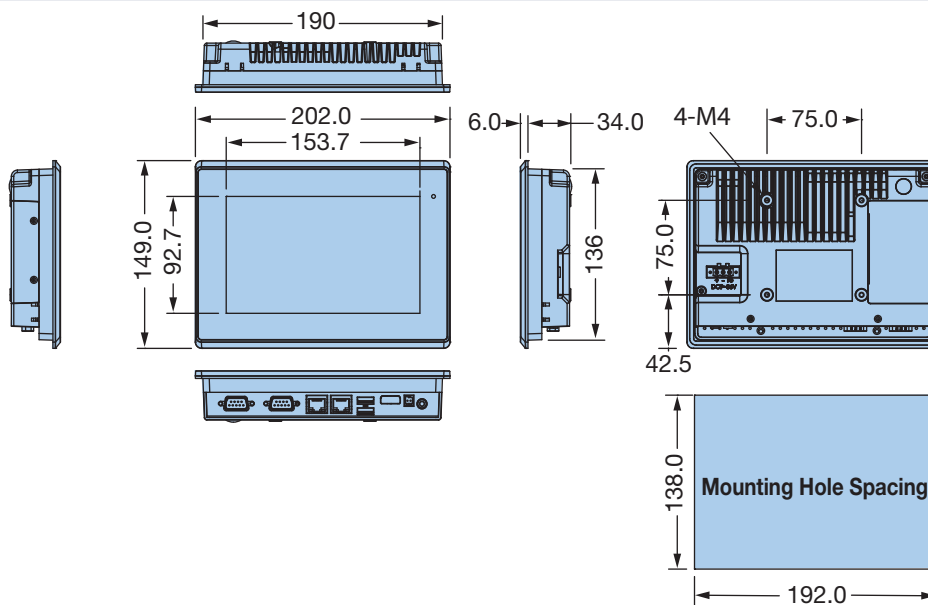
All published product specifications are subject to change without notice.

# Dimensions [mm, mounting hole tolerance ±0.5]

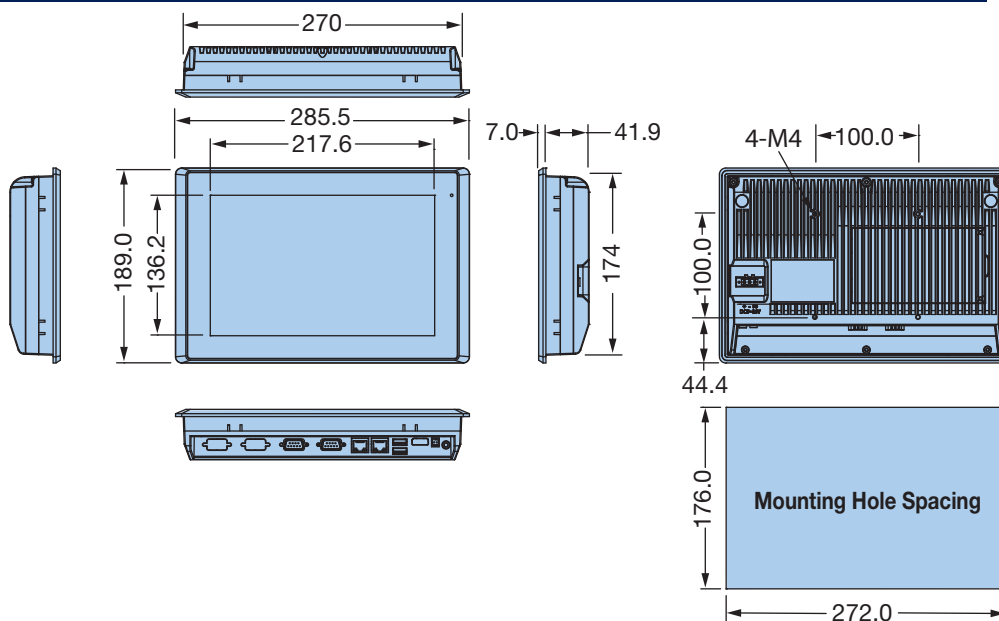
PCA-000



PCA-007

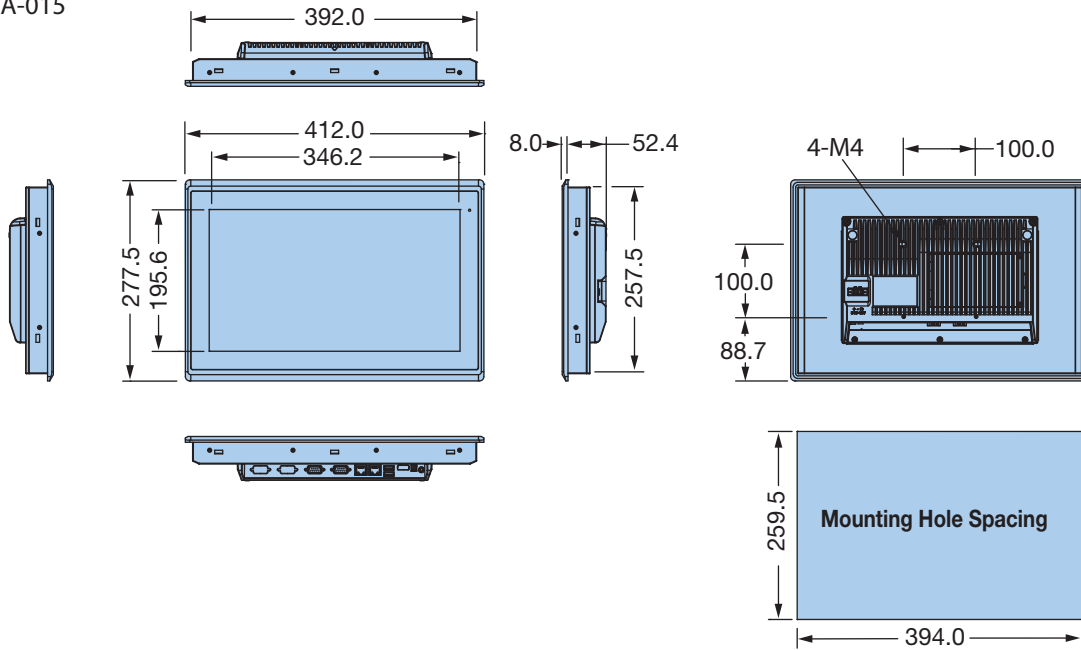


PCA-010

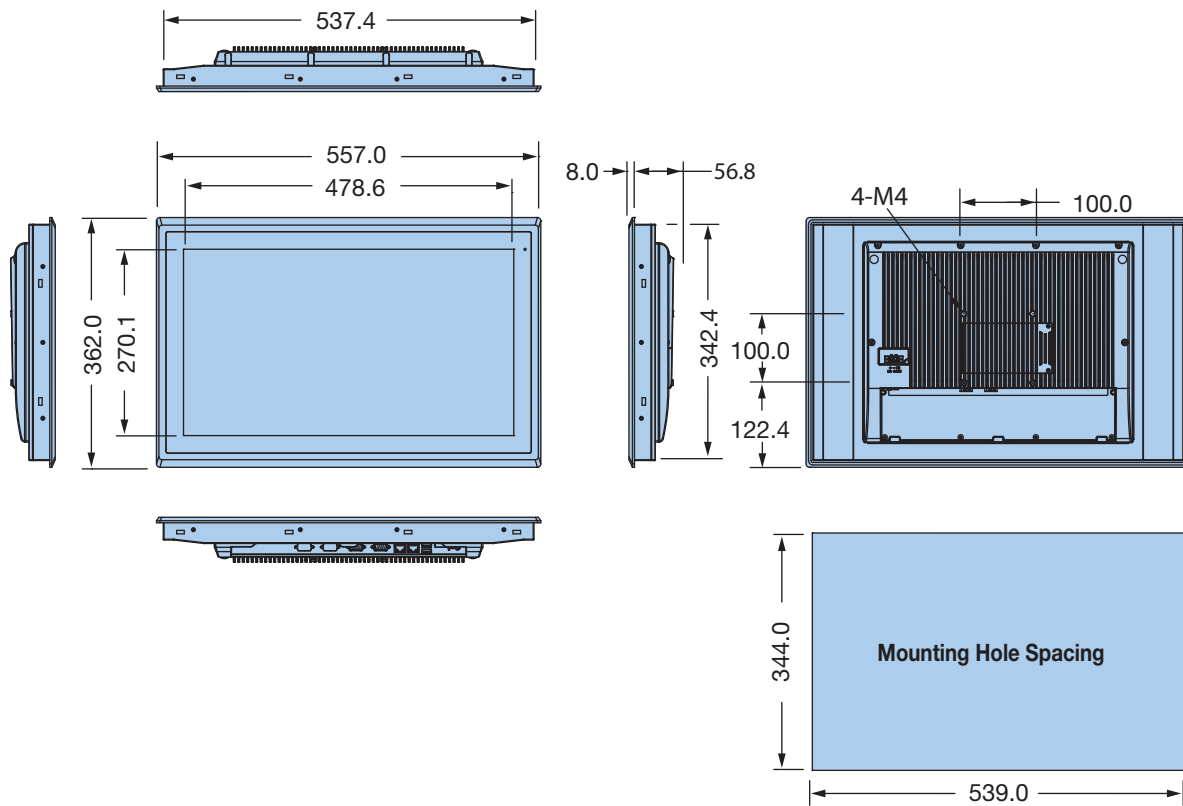


# Dimensions [mm, mounting hole tolerance ±0.5]

PCA-015



PCA-022



# EM Sales Offices

## Australia

Parker Hannifin (Australia) Pty Ltd.  
9 Carrington Road  
Castle Hill NSW 2154  
Australia  
Tel: +61 (0) 2 9634-7777  
Fax: +61 (0) 2 9634 3749

## Brazil

Parker Hannifin Ind. Com Ltda.  
Av. Lucas Nogueira Garcez 2181  
Esperança  
12325-900 Jacareí, SP  
Tel: 12 3954 5100  
Fax: 12 3954 5262  
Email: automation.brazil@parker.com

## Canada

Parker Hannifin (Canada) Inc.  
160 Chisholm Dr  
Milton, Ontario L9T 3G9  
Tel: 905-693-3000  
Fax: 905-876-1958  
Email: miltoncustservice@parker.com

## China

Parker Hannifin Motion & Control  
(Shanghai) Co., Ltd  
280 Yunqiao Rd. Jin Qiao Export  
Processing Zone  
Shanghai 201206, China  
Tel: (86-21) 50312525  
Fax: (86-21) 64459717

## France

Parker Hannifin Manufacturing  
France SAS  
4 Boulevard Eiffel  
CS 40090  
21604 Longvic  
France  
Tel +33 (0) 3 80 42 41 40  
Fax +33 (0) 3 80 42 41 30

## Germany

Electromechanical Europe  
Parker Hannifin GmbH & Co KG  
Robert-Bosch-Strasse 22  
D-77656 Offenburg  
Germany  
Tel: +49 (0) 781 509 0  
Fax: +49 (0) 781 509 98176  
Email: em-motion@parker.com

## India

Parker Hannifin India Pvt. Ltd  
Automation Group-SSD Drives Div.  
133 & 151 Developed Plots Estate  
Perungudi, Chennai 600 096  
Tel: 044-4391-0799  
Fax: 044-4391-0700

## Italy

Parker Hannifin SpA  
Via Gounod 1  
20092 Cinsello Balsamo  
Milano, Italy  
Tel: +39 02 361081  
Fax: +39 02 36108400  
Email: em-motion@parker.com

## Korea

Parker Hannifin Korea  
9th Floor KAMCO Yangjae Tower  
949-3 Dogok 1-dong Gangnam-gu  
Seoul 135-860, Korea  
Tel: 82-2-559-0454  
Fax: 82-2-556-8187

## Mexico

Parker Hannifin de Mexico  
Eje uno Norte No.100  
Parque Industrial Toluca 2000  
Toluca, CP 50100 México  
Tel: 52-722-275-4200  
Fax: 52-722-279-0316

## Singapore

Parker Hannifin Singapore Pte Ltd  
11, Fourth Chin Bee Road  
Singapore 619702  
Tel: (65) 6887 6300  
Fax: (65) 6265 5125/6261 4929

## Taiwan

Parker Hannifin Taiwan Co., Ltd  
No. 40, Wuchiuan 3rd Road  
Wuku Industrial Park  
Taipei County, Taiwan 248  
ROC  
Tel: 886 2 2298 8987  
Fax: 886 2 2298 8982

## Thailand

Parker Hannifin (Thailand) Co., Ltd.  
1265 Rama 9 Road  
Suanluang, Bangkok 10250  
Thailand  
Tel: (66) 2 186 7000  
Fax: (66) 2 374 1645

## UK

Parker Hannifin Ltd.  
Tachbrook Park Drive  
Tachbrook Park  
Warwick CV34 6TU  
Tel: +44 (0) 1926 317970  
Fax: +44 (0) 1926 317980

## USA

Parker Hannifin Electromechanical  
& Drives Division Main Office  
9225 Forsyth Park Drive  
Charlotte NC 28273 USA  
Tel: (704) 588-3246  
800-358-9070  
Fax: (704) 588-3249  
Email: emn\_support@parker.com

Parker Hannifin Electromechanical  
Automation Division  
1140 Sandy Hill Road  
Irwin, PA 15642 USA  
Tel: (724) 861-8200  
800-245-6903  
Fax: (724) 861-3330  
Email: emn\_support@parker.com

Parker Hannifin Electromechanical  
Motor and Gearhead Business Unit  
2101 North Broadway  
New Ulm, Minnesota 56073 USA  
Tel: (507) 354-1616  
800-358-9070  
Fax: (507) 233-2390  
Email: emn\_support@parker.com

Parker Hannifin Electronics  
Business Unit  
5500 Business Park Drive  
Rohnert Park, CA 94928 USA  
Tel: (707) 584-7558  
800-358-9070  
Fax: (707) 584-8015  
Email: emn\_support@parker.com

Parker Hannifin T-Slot Aluminum  
Framing and Guarding (IPS)  
135 Quadral Drive  
Wadsworth, OH 44281 USA  
Tel: (330) 334-3335  
800-358-9070  
Fax: (330) 334-2350  
Email: emn\_support@parker.com

