

# PAC Terminal

The PT displays any embedded HMI option from the PAC to its screen allowing the full HMI experience with half the cost

Reduce HMI hardware costs, development time and downtime while increasing security, performance and system manageability.

The PAC Terminal is a thin-client HMI that has been designed from the start to offer the easiest configuration and connection in the industry. The PAC (Parker Automation Controller) hosts either an embedded Xpress or Web Visualization application, while the PT displays the target visualization and transfers the users touch input commands back to the PAC.

## Reduce HMI Hardware Costs

Our PAC controller does the heavy lifting hosting the HMI application, allowing the PAC Terminal to provide high end HMI performance at very cost effective pricing.

## Reduced Development Time

Embedded Xpress provides intuitive, drag and drop tools for developing HMI applications that can reduce your development time by 30% over competing toolsets.

Users who prefer IEC 61131-3 programming can quickly tie their PAC programming logic to Web Visualization objects for a seamless logical solution.



## Reduce Downtime

The PAC Terminal is essentially a Web browser designed for the factory floor. If for any reason, the PAC Terminal stops functioning, the PAC controller can publish its screen to any device with a compatible Web browser and your process keeps running. Better yet, simply replace the PAC Terminal and set IP addresses and your application is back running, no application to load, no other configuration required.

## Security

The PAC Terminal contains no application data when disconnected from the PAC controller. Critical application data, parameters and history are all stored on the PAC, safely in your main control cabinet. This centralized architecture presents an inherently smaller attack profile for malware, viruses and other malicious intent as your HMI is no longer an intelligent device containing critical information — yet, no functionality is compromised.

Features		PTA/L-007	PTA-010	PTA-015
Display	Size	7"	10.1"	15.6"
	Resolution	800 x 480	1280 x 800	1366x768
	Viewing Angle	140(H) / 120(V)	170(H) / 170(V)	160(H) / 160(V)
	Brightness	350 cd/m2	350 cd/m2	300 cd/m2
	Bulb Life (hrs)	40,000	25,000	50,000
	Weight (lbs)	2.2/1.8	4.0	10.0
	Touch Interface	Analog Resistive	Analog Resistive	Analog Resistive
Power Input		12/24 VDC @ 13W	12/24 VDC @ 14W	12/24 VDC @ 20W
HMI Software		Android running PAC Terminal App		
Processor & RAM		1 GHz Freescale iMX6		
SD Storage		4 GB eMMC		
USB		(2) USB 2.0, Type A		
Ethernet		(1) 1000 Base-T, RJ45		
Environment	Operating Temp	0 – 50°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		

# PT Ordering Information

## Order Example:

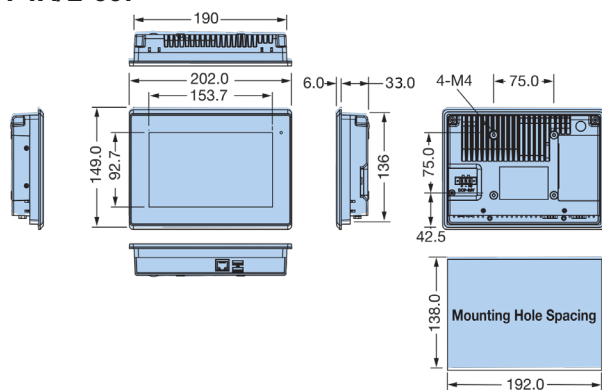
① ② ③ ④ ⑤ ⑥ ⑦ ⑧  
PT A - 015 - 1 R 1 - 1 3

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

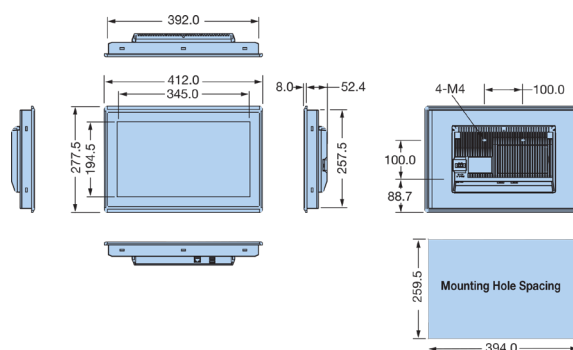
① Series Name PT	PAC Terminal	⑤ Touch Options R	Analog resistive touch
② Bezel Type A L	Aluminum Plastic	⑥ Storage 1	4 GB eMMC
③ Size 007 010 015	7" Touchscreen 10" Touchscreen 15" Touchscreen	⑦ Operating System 1	Android w/PAC Term. App
④ Processor 1	iMX6 ARM	⑧ Agency Approvals 3 5	CE, UL/cUL, IEC/EN61010 Haz-Loc (Class 1 Div2)

## Cutout Dimensions

PTA/L-007



PTA-015



PTA-010

