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PARKER HMI and Visualization Products

PTI to PT Migration Guide

A Guide to Migrating from the PAC Terminal Interim to the PAC Terminal

Effective: May 2017
Version 1.0

Migrating from the PTI to the PT

The PT (PAC Terminal) is a direct replacement to the PTI (PAC Terminal Interim). Both screens act as a thin-client or terminal which displays the targeted embedded HMI from either the PAC (embedded Xpress or WebVisu) or XT (Xpress). Inversely it takes the touch screen inputs from the user and sends it down to the PAC or XT Xpress units for further logical processing. The PTI was only offered as a 7" prototyping screen while the PT was undergoing final development. Upon the release of the PT, the PTI will be phased out as the PT offers both a superior cost and technical advantage and a direct migration path for all users. The following guide provides a summary of both hardware and software considerations when migrating between the two models.

Hardware Differences

The 7" PT aluminum option (PTA-007-….) can be directly inserted into the cut out of a 7" PTI-007-… and even use the same mounting clamps. Once mounted, the front bezel appears identical between the two units. Although there are some mechanical differences between the units, the 7" PT is considered a drop-in replacement for the PTI.

	PTI	PT
Sizes	7" widescreen only	7", 10", 15" widescreen
Chassis & Bezel Type	Aluminum only	7" available in plastic and aluminum 10" and 15" aluminum only
Operating System	Windows 7 running a variation of Remote Manager	Android running PAC Terminal App (Variation of Remote Manager)
Processor	1.6 GHz Intel N2807	1 GHz Freescale iMX6
Ports	2x RJ-45, 1 USB 2.0, 1 USB 3.0, 1 x RS232, 1 x RS232/RS485/RS422	1 x RJ45, 2x USB 2.0

Compatibility Table

It is recommended for all customers to migrate to the next generation PT as the PTI begins phasing out. For all new applications, it is recommended to use the latest PAM 1.3 software and PAC 1.3.0 firmware whereas existing applications can continue to use PAM 1.2.1; However, there are some performance differences between the different combinations of PT versus PTI, used to target embedded Xpress versus embedded Webvisu, and if the PAC programed with PAM 1.2.1 versus PAM 1.3. To concisely summarize these differences, refer to the table and footnotes below.

PAM/PAC Project & Firmware Rev	embedded HMI	PTI	PT
1.2.1	Xpress	Yes[1]	Yes[2]
1.3	Xpress	No	**Yes - recommended**
1.2.1	WebVisu[3]	Yes	Yes
1.3	WebVisu	Yes	**Yes - recommended**

[1] The PTI and embedded Xpress do not always connect during restart of the PTI or PAC. This may require the user to intervene by logging back in. Upgrading to the PT will ensure that upon restart the PT will continue to attempt to reconnect.

[2] It is recommended that all users who are upgrading from the PTI to the PT also convert to PAM 1.3, but is not required. Embedded Xpress 1.2.1 projects with large quantities of tags or a high object-per-screen ratio may experience performance degradation when connected to a PT versus the PTI. Upgrading to PAM 1.3 will significantly increase performance for these projects. Small tagged or low object-per-screen 1.2.1 projects may see no difference in performance between PTI and PT.

[3] It is recommended that all WebVisu projects be upgraded to PAM 1.3, but is not required. WebVisu projects build on 1.2.1 have known bugs which include several tools not working as expected including but not limited to momentary push buttons and sliders.

Another important note: beginning May 8th 2017 all PAC units will be shipped with the 1.3 firmware. This means that it will be incompatible with PAM 1.2.1 projects. Please refer to the PAM 1.2.1 to PAM 1.3 migration guide on the PAC product page: parker.com/emn/pac

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