Transact Windows Mini Driver Version Summary

Version 1.0

Initial release which has built-in 16 line feed and knife cut command at the end of a document, to match the expected behavior of office type page-fed printers.

A (printer) language monitor provides the API for applications to use to get printer status details that are not available via standard Windows print support. A utility is provided for setting language monitor properties.

API and install instructions are part of the release.

Version 1.1

A Transact Printer Properties GUI tab was added to standard printer properties GUI provided by Windows. This tab has the Language Monitor settings: Periodic Status Back (AUTO / DISABLE / ENABLE / OFF) and Status Period (setting restricted to be between 1,000 and 30,0000 milliseconds). It also provided text edit boxes for custom definition of commands to be issued at Start Of Doc and at End Of Doc time.

A mini driver install manual with information on the printer properties GUI was added to augment the text install information.

Version 1.2

This release added the 2500 printer model and the Eject Page with FF option; no changes in functionality.

Version 2.0

Default printer properties were added as a way to expand flexibility and give the Epic printer group complete control over end of document processing (to provide for full ticket area printing). Defaults are managed in the Language Monitor Configuration utility.

Both the LM configuration utility and the printer properties tab have been expanded to include an additional Start Of Page text edit box, and to include EndOfDoc Line Feed, EOD Knife Cut, Fire Cash Drawer1 and Fire Cash Drawer2 options. The printer properties also include a button that restores all setting to the current values of the defaults.

End of Doc Line Feeds are restricted to be less than 10,001. Firing Cash Drawers has two selections in printer properties (YES / NO) and three selections in LM configuration (YES / NO / FALSE), where FALSE is treated as disabling (grayed out) the YES \ NO selection when shown in printer properties.

Note:

Compatibility with previous releases is not maintained for any models, by defining the defaults for EndDoc Line Feeds as 0 and EOD Knife Cut as NO, relinquishing complete control to the application. Setting either or both of these can be done manually by using the Transact tab of printer properties, by using the utility that changes default values, by running a batch file that changes the default and / or specific printer registry values; or by changing the GPD file before installing the printer driver (this will negate the Microsoft signed driver file, if one was supplied for that printer model.

The API provided by the language monitor has added three additional functions: Direct I/O, Get Statistics, and Firmware Download. A new test utility is provided for using all the functions of the language monitor.

Both the API manual and the Mini Driver Install Manual have been revised to show the new functionality.

This Version Summary document is a new addition to this release package.

Restrictions:

Downloading firmware on RS232 Com connected printers via this Windows driver may not work reliability. Please use the manual Downloader utility for this case.

Version 3.0.12 (test only)

This version now includes all 64 bit OSes and reorganizes the install structure into thermal series and inkjet series components. Installs for all models use the same supporting code (updated for 64 bit compliance); the only changes are in the INF files and the GPD files. INF differentiation is used to select the different GPD.

For thermal, the GPDsare the same except for the default paper width selection: 304 (narrow sticky labels), 576, 608, and 640 (82.5mm paper rolls).
For ink jet, the GPDs differ in maximum slip widths and one version provides slip only restricted usage.

The language monitor has been enhanced to operate benignly on Ethernet port printers – it is not able to get any status data back through the standard Microsoft print service port monitor, so it always reports the printer as ready.

Version 3.0.14

This version has separate Language Monitors for Win2000 vs. the rest of newer, supported Windows OS releases. In Win2K, the LM has a benign operation on Ethernet printers; no true status is returned. In the other operating systems, OS functions new in XP (i.e. not found in Win2K) are used to get input data (including polled status) back from an Ethernet printer.

Version 3.0.15 – field test

This version has added a new capability to suppress the first start-of-page commands that have been entered via the Transact Printer Properties tab GUI. This provides an end of page action (except for the last page), such as using a cut command to separate one-page (i.e. tickets) printed copies – it eliminates an extra starting document knife cut.

Also, the default setting for cash drawer on thermal printers was corrected from FALSE to NO. It is left to the user to correct this setting to FALSE for 430 and 880 printers.

Version 3.0.18

Official release up to Windows7, including 64 bit operating systems, Windows Hardware Quality Lab (WHQL) signed. This added checking for bad parameters passed from an application to the page rendering function.

Version 3.0.20

This version is also WHQL signed. It corrects the following defect introduced in the version 3.0.18 changes: Some character fonts and point sizes in PC side generated print pages will come out garbled on the rightmost paper edge, due to incomplete graphic image compression by the driver.
A utility, TransactPrinterProperties (which should be run in administrative mode), was added to allow setting of properties whenever Windows7 access control prevents the user from doing so.

Version 3.0.25

For IJet drivers only, release 3.0.2.5 corrects an obscure bug when issuing certain print jobs to 1580 slip or 2500 slip printers, when their properties are set to 728 pixels, 208 X 96 density and run on 32 bit versions of Windows. While the problem has not been see at other property settings or on any 64 bit OSes, users not using these settings or experiencing a spooler crash are urged to upgrade to this new driver at their convenience. Install instructions and utility usage remain as before.

This release uses Microsoft's latest security signage, which covers Win7 - 32 & 64 bit versions, but no longer covers older 32 bit versions of Windows, wherein one has to accept the security warning when installing. The same code as used in Win7 -32 & 64 is used for all other OS version installs.

Version 3.0.26

This general purpose version adds two special functions to help certain applications. Applications which create raw print type jobs (i.e. containing print text and commands, as opposed to output from typical word processing applications, which send jobs as converted into dot rows of pixels) can now use tokens for any embedded print control commands. These additions are described in Version G of the Transact windows Driver Install Manual.

These new features are available in signed drivers for the ITherm printers and for testing purposes in unsigned IJet drivers and have an updated Language Monitor component, version 1.0.5.2.

Version 3.0.27

This special purpose version simply adds a paper source tray named "Check" to go along with Slip and Receipt. The difference from Slip is that after insertion at start of document the printer is given, in addition to select slip, the command to draw the inserted form down and position to "top of form" ready for printing.

Version 3.0.28

This version expands ITherm640 printer choices, to which the AccuTherm Ultra has been added. Also Language Monitor V 1.0.5.3 has been included. That module fixed a Win7 hardware dependent occasional status thread synchronization problem, wherein completed jobs would be marked as not complete.

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