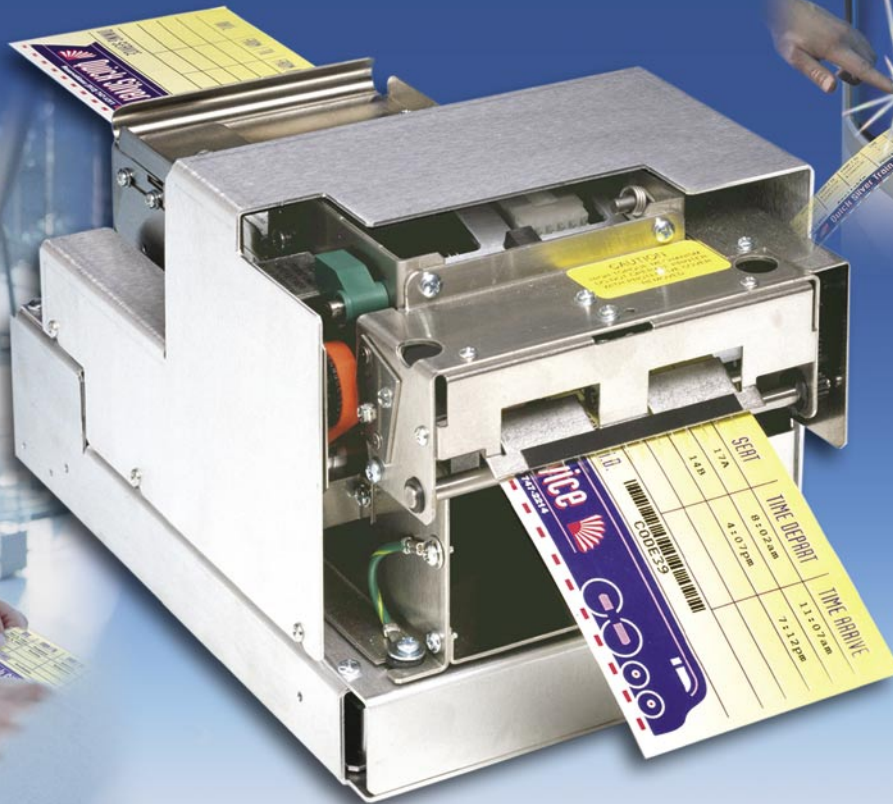


kITX Series

Kiosk Ticket Printers

Solutions for On-Demand Kiosk Ticketing



Exceptional Performance, Superb Reliability and Total Customer Support

The Model kITX, based on Practical Automation's state-of-the-art **IT** technology platform, is an innovative new series of direct thermal kiosk ticket printers. Incorporating a 32-bit controller platform, a choice of printer widths and resolutions, and a heavy-duty stepper driven cutter, the kITX printer was designed for use where high quality, fast printing, reliability and long life are required for unattended self-service kiosk applications.

The kITX Series Top of the Line Features:

- Designed specifically for reliable kiosk ticket printing
- High resolution 203 or 300 dpi printing
- Fast print speed – up to 10 inches per second
- Long life cutter – 1.5 million cuts (typical) & 1.0 million cuts (min.)
- Printer status with unique electronic serial number
- Extensive remote monitoring capabilities
- Performance optimized for Windows environment
- Field programmable firmware upgrades
- Modular Parallel, Serial RS232 or USB data interface plug-ins
- Modular, small footprint – reduces kiosk space requirements
- Service friendly switch and LED display
- Ticket widths of 2", 3.25" and 2" to 4" adjustable



PRACTICAL AUTOMATION, INC.

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kITX Series

Kiosk Ticket Printers

Ticketing Solutions for the OEM & System Integrator



Kiosk Applications:

- **Advance Ticketing**
 - Sporting events
 - Cinemas
 - General admission
 - Theater
 - Special events, etc.
- **Retail Ticketing**
 - Coupons
 - Vouchers
- **Transportation Ticketing**
 - Air, rail, ship, bus, etc.
 - Parking

Designed For Easy Integration

The kITX is a modular ticket printer designed for easy integration into a self service ticketing kiosk utilizing the latest technologies implemented in Practical Automation's IT platform. This new addition to the ITX Series combines a thermal print mechanism, automatic cutter with ejector, and control electronics in a compact, lightweight package suitable for fixed base or side mounting with several mechanical friendly mounting options. Operating power is provided by an external, universal input voltage power supply module.

Ticket Printing vs. Roll Paper Printing

The defining characteristics of a kiosk ticket printer are its ability to use heavy ticket stock while printing at a fast print speed. The kITX utilizes fanfold and perforated ticket stock ranging in thickness from .004" to .0075". A typical 5.5-inch long ticket can be printed, cut and ejected in less than 1 second. These characteristics contrast with conventional kiosk printers that are typically slower and designed to use thin paper packaged in rolls.

Choose Your Ticket Width

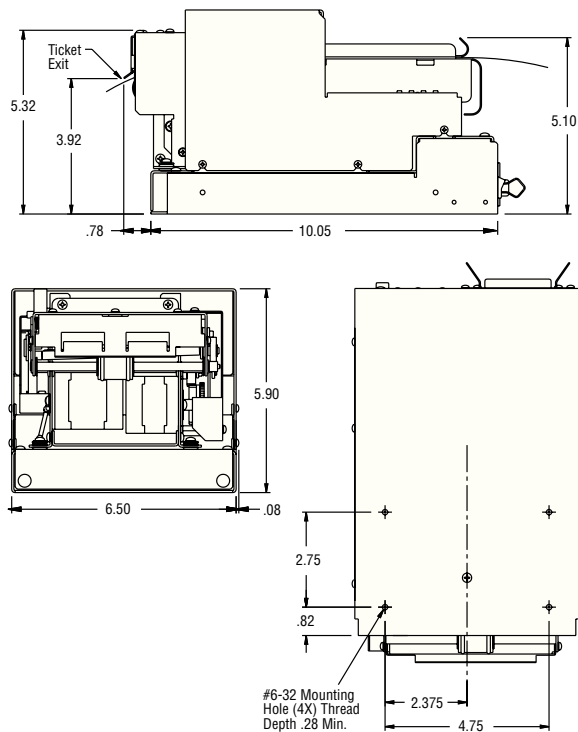
The kITX is offered in multiple versions to accommodate ticket widths of 2", 3.25" and adjustable widths between 2 to 4 inches. Ticket loading is automatic through the rear of the printer. Tickets can be neatly stored and stacked in an optional ticket storage assembly preventing ticket spillage. The straight through ticket path design provides for the highest ticket handling reliability, thereby reducing the likelihood of ticket jamming. Additionally, a "low" ticket sensor is used to provide an indication when tickets are running low. Users can now anticipate a ticket outage by way of remote monitoring before it actually happens.

Easy To Program

The control electronics utilizes a user-friendly Standard Ticketing Programming Language. There are 12 resident fonts and 7 resident bar codes that can be expanded and rotated. PCX file-supported graphics and line and box drawing can be used to enhance the appearance of the printed ticket. Parallel, Serial or USB interfaces are available.

Alternately, the kITX is also supported by an available Windows® (WYSIWYG) compatible driver and firmware. This unique driver is designed to take advantage of the flexibility and easy programming features of Windows, including True Type fonts and graphics. The Windows driver supports both Parallel and USB interfaces.

Printer Module kITX Series (Fixed Width)



kITX Series

Specifications

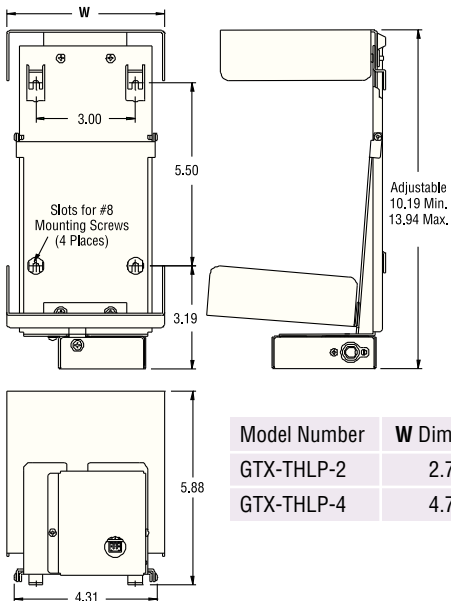
Printing Method:	Direct thermal
Printhead:	
Dot Density	203 DPI (8.0 dots/mm) kITX 2000 300 DPI (11.8 dots/mm) kITX 3000
Dot Cycle Life	50 x 10 ⁶ Dot Cycles (typical)
Abrasive Life	2 million inches (50 million mm) typical
Operation	Dot history controlled
Temperature	Thermistor Controlled
Print Speed:	
kITX 2000	10.0 in/sec Max. (254 mm/sec)
kITX 3000	8.0 in/sec Max. (203 mm/sec)
Standard Resident Fonts:	5x7, 5x9 (OCRA), 8x16, 13x20 (OCRB), 17x31 (OCRA), 17x31 (OCRB), 18x30 (Courier), 20x40 (Courier), 25x41 (Bold Prestige), 25x49 (Script), 30x52 (OCRB), 46x91 (Orator)
Standard Resident Bar Codes:	Code 39, Interleaved 2 of 5, EAN 13, EAN 8, UPC, USS-CODABAR, Code 128 B and C with optional human readable interpretation line
Standard Graphics:	Dot addressable graphics; box and line drawing commands; downloadable fonts and logos; PCX file support; PCX image rotation (0, 90, 180, 270 degrees) and multiplication
Printer Firmware Options:	
Standard	The characteristics noted on this data sheet refer to the standard firmware version. This firmware "emulates" the most commonly used Standard Ticket Programming Language.

Printer Firmware Options: (continued)	
Windows	The "G" version is available for kITX2000 and kITX3000 emulation in Windows® for WYSIWYG function. Printer firmware can be updated over the printer's Data Interface.
Print Width:	1.89" (48.0 mm) (384 dots) kITX 2002/kITX 2003A 3.15" (80.0 mm) (640 dots) kITX 2003/kITX 2003A 1.92" (48.8 mm) (576 dots) kITX-3002 3.20" (81.3 mm) (960 dots) kITX-3003/kITX 3003A 3.86" (98.0 mm) (784 dots) kITX 2004A or AS 3.89" (98.8 mm) (1168 dots) kITX 3004A or AS
Print Length:	10.9" (276.9 mm) Max.
Ticket Width:	2.00" ±.015" (50.8 mm) kITX 2002/3002 3.25" ±.015" (82.6 mm) kITX 2003/3003 2.00" - 3.25" ±.015" (50.8 - 82.6 mm) kITX 2003A/3003A 2.00" - 4.00" ±.015" (50.8 - 101.6 mm) kITX 2004A or AS; 3004A or AS
Ticket Length:	2.0" (50.8 mm) Min.
Paper Type:	Thermal tag stock
Paper Caliper:	0.004" -0.0075" (0.1-0.19 mm) typical
Paper Feed:	Friction
Data Interface (Plug-in Interface Options Modules):	
Parallel	IEEE-1284 (bi-directional)
Serial	RS-232 (Busy and XON/OFF) to 57.6 K baud
USB	Full 2.0 Speed Compliant
Interface Cable:	IEEE-1284 A-B cable (DB25M/C36M) RS-232 Cable (DB9M/DB9F) USB A-B Cable (A/B)
Special Purpose I/O:	8 pin mini Din connector for low paper and auxiliary power driver

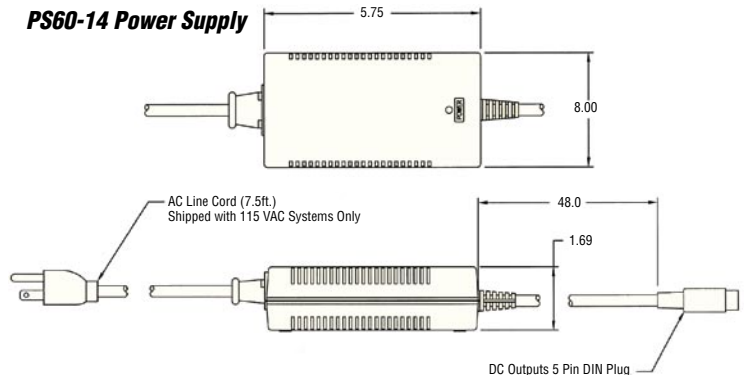
Cutter:	
Life	1.5 million cuts (typical) & 1.0 million cuts (minimum)
Cut Cycle Time	300 ms max.
Power Requirements:	24 VDC, 60 W max average, provided by PS60-14 universal input power supply. 90-264 VAC, 47/63 Hz, 1.6 A max.
Regulatory Compliance:	
CE Mark	Compliant
Safety	UL 1950, 3rd Edition CSA C22.2 No. 950-95 CENELEC EN 60950: 1999
CB SCHEME	Compliant. Consult factory for countries listed.
EMI/EMC	FCC Part 15 Class A CENELEC EN 55024: 1998 EN 55022 Class B
Environment:	
Temperature	Operating: +5 to +40°C Storage: -5 to +65°C
Humidity	20-85% relative, non-condensing
User Switches:	Power On/Off Select (F0) Test (F1) Line Feed (F2) Form Feed (F3)
Indicators:	Power/Paper (green LED) Ready (green LED) Attention/Error (amber LED) Audio Beeper
Ticket Delivery Options:	Cutter and ejector (the ticket is ejected after cutting.)
Setup Parameters:	All optional control features can be changed with a user-friendly switch panel entry.
Printer Status:	Printer status information such as low paper, out of paper, ticket count, unique electronic serial number and system errors are available to the host PC via IEEE-1284, USB or Serial RS-232 reverse channel communications.
Download Memory:	512 K Flash standard, expandable to 1.5 Megabyte (special order) for storage of user fonts and logos.
Print Image Memory:	1 or 1/2 Megabyte depending on configuration.
Maintenance:	Modular design for easy component replacement

All specifications subject to change without notice.

Ticket Storage Assembly



PS60-14 Power Supply



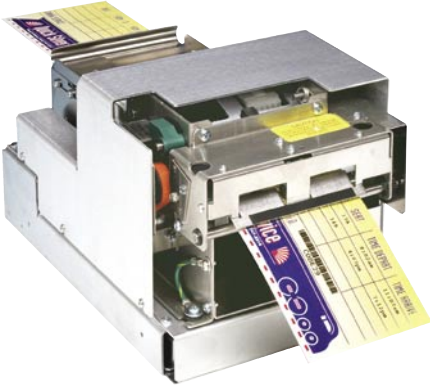
kITX Series

Ordering Information

The kITX Product Base Number includes printer with print mechanism and control electronics.



Model	Dot Resolution	Ticket Width	Firmware	Ticket Separation	Data Interface
k = Kiosk Mountable Printer Series	2 = 203 dpi 3 = 300 dpi	2 = 2.00" 3 = 3.25" 3A = 2.00" – 3.25" Adjustable 4A = 2.00" – 4.00" Adjustable (3A, 4A – registration marks are located on bottom left side as viewed from the rear of the printer.) Compatible with GTX3004A Registration Marks 4AS = 2.00" – 4.00" Adjustable (4AS – registration marks are located on bottom right side as viewed from the rear of the printer)	Blank = Standard Ticket Firmware (Emulates Standard Ticket Programming Language) G = Windows® (WYSIWYG) Compatible	C = Automatic Cutter with Ticket Ejector	Parallel = IEEE-1284 Parallel Interface Serial = Serial RS232 Interface (Only supported with "Standard" Firmware) USB = USB 2.0 Full Speed



Example: kITX 3002G-C-USB

kITX = Kiosk Printer Model	G = Windows Firmware
300 = DPI Resolution	C = Automatic Cutter with Ejector
2 = 2" Ticket Width	USB = Data Interface

Additional Accessories

kITX Power Supply

PS60-14

Line Cord
Blank = With US approved line cord
E = No line cord for export applications



kITX Ticket Storage Assembly

GTX-THLP



Ticket Widths
2 = 2.75" Width (Ticket & Packaging)
4 = 4.50" Width (Ticket & Packaging)
(Low paper sensor and 6' auxiliary cable included with either size)

Accessories

Description	Model Number
Parallel (IEEE 1284) Interface Cable	ATX-PC36
Serial (9 pin) Interface Cable	ITX-SC09
USB 2.0 A-B Cable	CUSB-206
Kiosk Mounting Plate (2" & 3.25")	MP-2
Kiosk Mounting Plate (4")	MP-4
Kiosk Mounting Rails (2) per set	MR-2X



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