Optimum Printing Solutions for Ticketing Systems

The ITX+ Series, based on Practical Automation’s state-of-the-art IT technology platform, is an innovative series of direct thermal ticket printers. Incorporating a 32-Bit controller platform, a choice of print widths, and a heavy-duty stepper driven cutter, these new printers are designed for use where high quality, fast printing, and long life are required.
ITX+ Series
THERMAL TICKET PRINTER

μITX+
Features a small footprint and external ticket feed

eITX+
Desktop style ticket printer with a locked ticket storage compartment

pITX+
A vertically flush mounted countertop design
kITX+ Series

A kiosk mountable printer available with continuous roll printing!

ITX+ Series features

- 200 DPI or 300 DPI printing
- USB, Serial and Parallel on board interfaces
- Standard Bar Codes and QR Codes
- Scalable True Type fonts included and loadable
- Dual Sensors to support different ticket configurations
- 2 to 3.25 inch adjustable ticket widths
- Tear Bar and Cutter options
- Supports both industry-standard software protocols
- Registration mark or continuous mode
- Legacy soft font support
- Easy self-loading ticket system
- Long Cutter Life – up to 1.5 million/with a 1 million minimum
- Free technical phone/e-mail support
Printing Method: Direct Thermal

Printhead
- Dot Density: 203 DPI (8.0 dots/mm)
- 300 DPI (11.8 dots/mm)
- Dot Cycle Life: 50 x 10^6 Dot Cycles (typical)
- Abrasive Life: 2 million inches (50 million mm)
- Operation: Dot history controlled
- Thermistor Controlled

Print Speed:
- ITX 2000: 10.0 in/sec Max. (254 mm/sec)
- ITX 3000: 8.0 in/sec Max. (203 mm/sec)

Paper Width:
- 2.00" (50.8 mm) to 3.25" (82.6 mm)

Paper Feed: Friction

Print Width:
- 200 DPI: 2.00" (50.8 mm) to 3.15" (80.0 mm) 640 dots
- 300 DPI: 2.00" (50.8 mm) to 3.20" (81.2 mm) 960 dots

Print Length:
- 10.9" (276.9 mm) Max.

Cutter:
- Life: 1.5 million cuts (typical) & 1.0 million cuts (minimum) Cut Cycle Time 300 ms max.

Standards

Resident Fonts:
- 5x7, 5x9 (OCR), 8x16, 13x20 (OCR), 17x31 (OCR), 17x31 (OCR), 18x30 (Courier), 20x40 (Courier), 25x41 (Bold Prestige), 25x49 (Script), 30x52 (OCR), 46x91 (Orator)

True Type Fonts:
- Comic Sans
- Comic Sans Bold
- Verdana
- Verdana Bold
- Verdana Italic
- Verdana Bold Italic

Standard Resident Bar Codes:

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.
- Windows: The "G" version is available for ITX emulation in Windows® for WYSIWYG function. Printer firmware can be updated over the printer’s USB interface.

Data Interface
- Parallel IEEE-1284 (bi-directional)
- Serial RS-232 (Busy and XON/OFF) to 57.6 K baud
- USB 2.0 Full Speed Compliant

Special Purpose I/O: 8 pin mini Din connector for low paper and auxiliary power driver

Interface Cable: IEEE-1284 A-B cable (DB25M/C36M)
- RS-232 Cable (DB9M/DB9F)
- USB A-B Cable (A/B)

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:
- UL 62368-1 Issue: 2012/02/17 Ed.1 Rev 2012/03/08
- CSA C22.2#62368-1 Issue:2012/02/17
- ICES 003: 2012
- CFR47 FCC PART 15 SUB B: 07/2015
- CE Mark Compliant
- CENELEC EN55022:2010
- CENELEC EN55024:2010
- CENELEC EN 61000-3-2: 2014
- CENELEC EN 61000-3-3: 2013
- VCCI V3:2014

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:
- Desktop: (μITX+, eITX+ and kITX+) Cutter and ejector (the ticket is ejected after cutting.)
- Countertop: (pITX+) Cutter and retainer (the ticket is stacked and held after cutting.)
- All Models: Can be configured with a tearbar (no cutter installed.)

Setup Parameters: All optional control features can be changed with a user-friendly switch panel entry.

Download Memory: 8mb Flash Standard, for storage of user font, logos, and graphics.

uITX+ / (H X W X L) 6.80x 6.65 X 10.35
elITX+ / (H X W X L) 11.96 x 8.15 x 18.36
pITX+ / (H X W X L) 10.30 x 6.65 X 6.66 Plate = .40 x 7.50 x 7.50
kITX+ / (H X W X L) 5.90 x 6.50 X 10.05

All specification subject to change without notice.

45 Woodmont Road, Milford, CT. 06460 U.S.A  Phone +1.203.882.5640  info@practicalautomation.com