ITX+ Series
THERMAL TICKET PRINTER

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.

PRACTICAL AUTOMATION, INC.

The Alinabal Group of Companies

www.practicalautomation.com

ITX+ Series
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μITX+

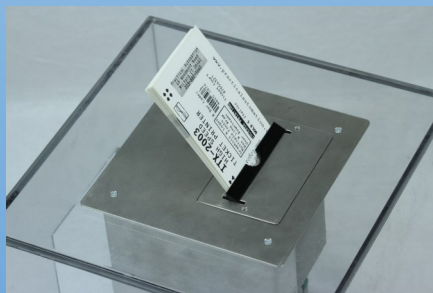*Features a small footprint and external ticket feed*

eITX+

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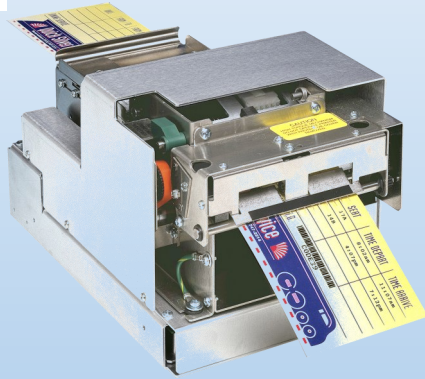
pITX+

A vertically flush mounted countertop design

ITX+ Series
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kITX+

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**

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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
Temperature 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 (OCRA), 8x16, 13x20 (OCRB), 17x31 (OCRA), 17x31 (OCRB), 18x30 (Courier), 20x40 (Courier), 25x41 (Bold Prestige), 25x49 (Script), 30x52 (OCRB), 46x91 (Orator)

Resident True Type Fonts:

Font Description
Comic Sans
Comic Sans Bold
Verdana
Verdana Bold
Verdana Italic
Verdana Bold Italic

Standard Resident Bar Codes:
QR Code, 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.

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+A1:2015
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

eITX+ / (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.

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