

# ITL Series

## Thermal Ticket Countertop Printers

Cost-Effective Solutions for Ticketing Systems

Model  $\mu$ ITL Table Top  
Ticket Printer



Model pITL Countertop  
Ticket Printer  
(Vertical Mount)

For Kiosk  
Ticketing  
Applications  
Ask For Our kITL  
Brochure

**All The Performance You Need –  
At A Price You Can Afford!**

**The ITL Series** is an innovative line of direct thermal ticket printers. Features include a compact design and a rugged construction that is affordably priced. The ITL, ideal for moderate volume ticketing applications, uses the same advanced **IT** technology as Practical Automation's high performance ITX Series printers. ITL models include: counter top ( $\mu$ ITL), in-counter mounted (pITL) and kiosk with automatic cutter (kITL). The ITL comes in various widths and interfaces including USB and Ethernet.

The ITL is optimized to work with FGL applications on various operating systems (DOS, Unix, Linux, Windows®, etc.). Optionally, the ITL can be configured for Windows applications that emulate WYSIWYG, with performance at full speed. Either firmware can be configured at the factory or can be uploaded to the ITL in the field. The ITL Series also delivers extensive status information over the interface. This status provides the host system with information such as low ticket, out of tickets, ticket count, confirm ticket printed, error condition, etc.

And there's more! The ITL is the first ticket printer of its kind that features dual edge (left and right side) ticket sensors, enabling you to use your existing ticket stock for even more savings!

**Bottom line, the ITL will save you money without any sacrifice in technology, construction or reliability.**

### The ITL Specifications:

- 203 dpi printing
- Print speed up to 3.5 inches per second
- Ticket widths of 2 inches and 3.25 inches
- Large User Flash Memory Standard (512K)
- Modular Parallel, Serial RS232, USB or Ethernet data interface plug-ins

### The ITL Features:

- Rugged and commercially designed for longevity, but economically priced
- Low cost of ownership
- Very small footprint – reduces counter space requirements
- External Power Supply reducing needed counter space
- Dual edge (left and right side) ticket sensors
- Performance optimized for FGL & Windows environments
- Field programmable firmware upgrades
- Service friendly switch and LED display
- Printer status with unique electronic serial number
- Extensive remote monitoring capabilities



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# ITL Series

## Thermal Ticket Countertop Printers

### Cost-Effective Solutions for Ticketing Systems



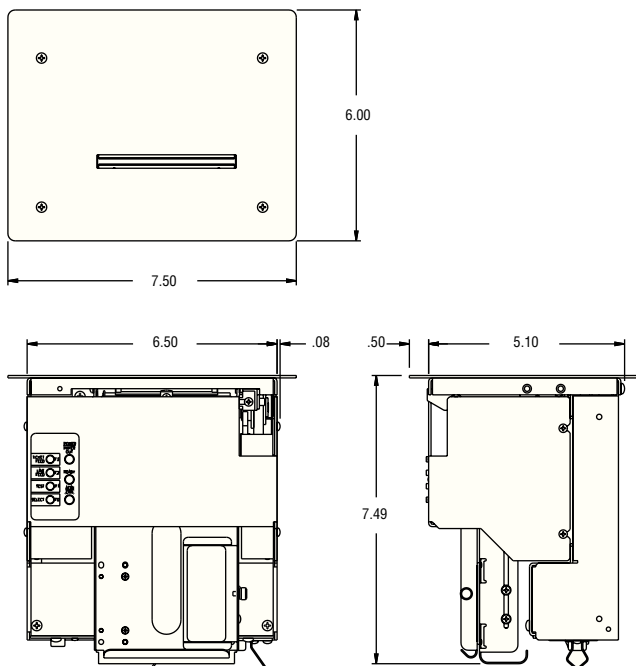
Power Supply Module PS60-14

Ticket Storage With Low Paper Sensor for Fanfold Ticket Stock.

#### Ticketing Applications Include:

- University box office
- Sporting events
- Local theaters and cinemas
- Churches
- Social events
- Recreational facilities
- Transportation (Air, rail, ship, bus, etc.)

#### Printer Module pITL Series



#### Choose a printer to match your needs.

The ITL Series printers are available in three versions:

- **µITL** – A countertop/tabletop style.
- **pITL** – A vertically flush mounted countertop design.
- **kITL** – A kiosk mountable printer with automatic cutter (request separate brochure for more details.)

All ITL Series printers can be configured to use ticket widths of either 2.00 inches or 3.25 inches. Ticket stock is self loading and prints at 203 dpi resolution.

Dual edge (left and right side) ticket sensors are a unique feature of all ITL printers. With the ability to read on either side, you can still use your existing supplies of preprinted ticket stock which in turn can save you hundreds of dollars!

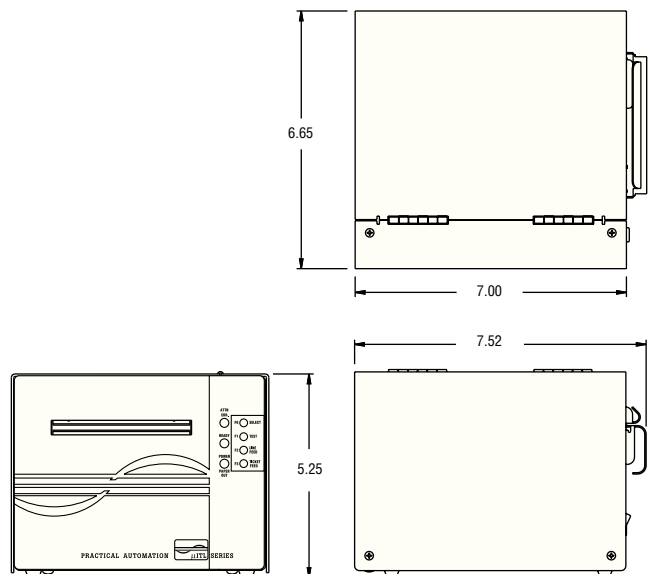
The standard printer contains firmware that emulates FGL, the most commonly used ticket programming language or a Windows®-compatible firmware that emulates WYSIWYG function is also available.

Ticket delivery is via a tearbar on both the µITL and pITL. The data interface can be IEEE 1284 Parallel, RS-232C Serial, USB or Ethernet.

#### A Practical Ticket Storage Solution

For both the µITL and pITL printers, the GTX-THLP-2 and -4 Ticket Storage Assemblies are designed to conveniently hold up to 2.5 and 4.5-inch fanfold tickets with containers, respectively. Tickets are neatly stored in a stack and prevented from spilling over. A “low” ticket sensor is used to provide an indication when stored tickets are running low. Users can now anticipate a ticket outage before it actually happens.

#### Printer Module µITL Series



## Specifications

# ITL Series

<b>Printing Method:</b>	Direct thermal
<b>Printhead:</b>	
Dot Density	203 DPI (8.0 dots/mm)
Dot Cycle Life	50 x 106 Dot Cycles (typical)
Abrasive Life	164 K ft (50 Km) (typical)
Operation	Dot history controlled
Temperature	Thermistor Controlled
<b>Print Speed:</b>	3.50 in/sec Max. (88.9 mm/sec)
<b>Standard Resident Fonts:</b>	5x7, 5x9 (OCRA), 8x16, 13x20 (OCR B), 17x31 (OCRA), 17x31 (OCR B), 18x30 (Courier), 20x40 (Courier), 25x41 (Bold Prestige), 25x49 (Script), 30x52 (OCR B), 46x91 (Orator)
<b>Standard Resident Bar Codes:</b>	Code 39, Interleaved 2 of 5, EAN 13, EAN 8, UPC, USS-CODABAR, Code 128 B and C with optional human readable interpretation line
<b>Standard Graphics:</b>	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
<b>Printer Firmware Options:</b>	
Standard Firmware	The print characteristics (fonts, barcodes, etc.) noted on this data sheet refer to the standard firmware version. This firmware "emulates" the commonly used Ticket Programming Language. (e.g. FGL)
Windows Firmware	The "G" version firmware is Windows® WYSIWYG Printer Drive Function. Printer firmware can be updated over the Data Interface.

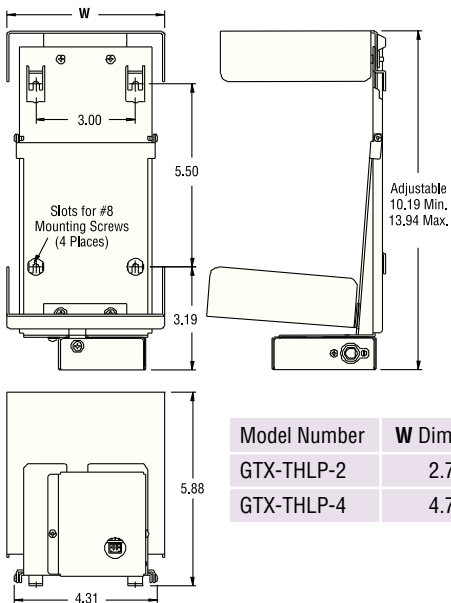
<b>Print Width:</b>	2.0" (50.8 mm) max., 1.8" (45.7 mm) typ. ITL 2002 3.15" (80.0 mm) max., 3.05" (77.5 mm) typ. ITL 2003
<b>Print Length:</b>	10.1" (256.5 mm) max.
<b>Ticket Width:</b>	2.00" +/- .016" (50.8 mm +/- 0.41) ITL 2002 3.25" +/- .016" (82.6 mm +/- 0.41) ITL 2003
<b>Ticket Length:</b>	2.0" (50.8 mm) min., 10.1" (256.5 mm) max.
<b>Paper Type:</b>	Thermal tag stock
<b>Paper Caliper:</b>	0.004"-0.0075" (0.1-0.19 mm) typical
<b>Paper Feed:</b>	Friction
<b>Data Interface (Plug-in Interface Options Modules):</b>	
Parallel	IEEE-1284 (bi-directional)
Serial	RS-232 (Busy and XON/OFF) to 57.6 K baud
USB	2.0 Full Speed Compliant
Ethernet	10/100T Compatible
<b>Special Purpose I/O:</b>	8 pin mini Din connector for low paper and auxiliary cash drawer driver
<b>Interface Cable:</b>	IEEE-1284 A-B cable (DB25M/C36M) RS-232 Cable (DB9M/DB9F) USB A-B Cable (A/B)
<b>Power Requirements:</b>	24 VDC, 60 W max average, provided by PS60-14 universal input power supply. 90-264 VAC, 47/63 Hz, 1.6 A max.
<b>Regulatory Compliance:</b>	
CE Mark	Compliant
Safety	ANSI/UL 60950, 3rd Edition CAN/CSA C22.2 No. 60950-00 CENELEC EN 60950: 1992
CB SCHEME	Compliant. Consult factory for countries listed.
EMI/EMC	FCC Part 15 Class A CENELEC EN 55024: 1998 EN 55022 Class B
Environmental	RoHS Compliant
<b>Environment:</b>	
Temperature	Operating: +5 to +40OC Storage: -5 to +65OC
Humidity	20-85% relative, non-condensing
<b>User Switches:</b>	Power On/Off Select (F0) Test (F1) Line Feed (F2) Form Feed (F3)

## When Choosing A Thermal Ticket Printer, Make A Practical And Smart Decision

Practical Automation is a premiere manufacturer of specialty and custom printers serving the global market for over 40 years. We only produce printers, enabling us to focus exclusively on the features and characteristics that ensure a quality product that will suit your specific needs and application.

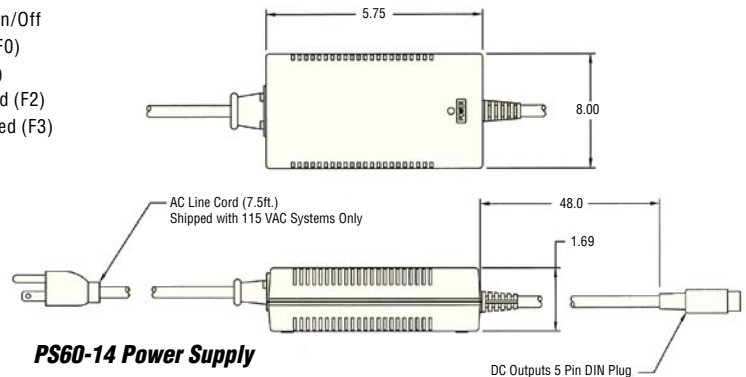
- Proven reliability and longevity
- Low cost of ownership
- Customization to fit your application
- **Practical Automation has a first-class support team that provides:**
  - Outstanding, easy-to-access service
  - Unprecedented support
  - Knowledgeable engineering assistance

### Ticket Storage Assembly



<b>Indicators:</b>	Power/Paper (green LED) Ready (green LED) Attention/Error (amber LED) Audio Beeper
<b>Ticket Delivery:</b>	µITX Tearbar pITX Tearbar
<b>Setup Parameters:</b>	All optional control features can be changed with a user-friendly switch panel entry.
<b>Printer Status:</b>	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.
<b>Download Memory:</b>	512 K Flash standard, expandable to 1.0 Megabyte (special order) for storage of user fonts and logos.
<b>Print Image Memory:</b>	½ Megabyte.
<b>Maintenance:</b>	Modular design for easy component replacement

All specifications subject to change without notice.



**PS60-14 Power Supply**

# ITL Series


## Ordering Information

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

While some printer manufacturers only offer you a plain desk-top product, Practical Automation offers you a choice of two new colors (black or silver) that are the new hot colors of today's PCs.

  **ITL 200**   -   -   -  


Enclosure Type:	Ticket Width	Firmware	Data Interface	Color - $\mu$ ITL only
$\mu$ = Desktop (small footprint desktop printer) p = Countertop Mount (vertical flush mount)	2 = 2.00" 3 = 3.25"	FGL = Emulates Standard Ticket Firmware G = Windows® (WYSIWYG) Compatible	Parallel = IEEE-1284 Parallel Interface Serial = Serial RS232 Interface (Only supported with "Standard" Firmware) USB = USB 2.0 Full Speed Interface (Only supported with "G" Windows Firmware) Ethernet = Ethernet 10/100T compatible	B = Black with black and silver front panel. Note: Black is the default color unless silver is specified.




**Model pITL Countertop Ticket Printer (Vertical Mount)**

**Example:  $\mu$ ITL 2002-FGL-USB-S**

$\mu$ ITL = Desktop Printer Model    USB = USB Interface  
 2 = 2.00" Ticket Width        S = Silver with silver and blue front panel  
 FGL = Emulates Standard Ticket Firmware



S = Silver with silver and blue front panel



## Additional Accessories

### ITK 2/3000 Series Power Supply

#### PS60-14

##### Line Cord

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



### $\mu$ ITL and pITL Ticket Storage Assembly

#### GTX-THLP

##### Ticket Widths

2 = Holds up to 2.75" Width (Ticket and Container)  
 4 = Holds up to 4.5" Width (Ticket and Container)  
 (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
ETX Adapter plate	ITX-APETXO
Power Supply Holder	PS60-H



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