**TSC INTRODUCES
THE TTP-245 SERIES
DESKTOP THERMAL PRINTERS**

**The Ultimate Compact Solution
for Barcode Printing.**

**Optional
KP2000
Keyboard**

**Optional
Battery Pack**

**Clamshell
Design**

# TSC™
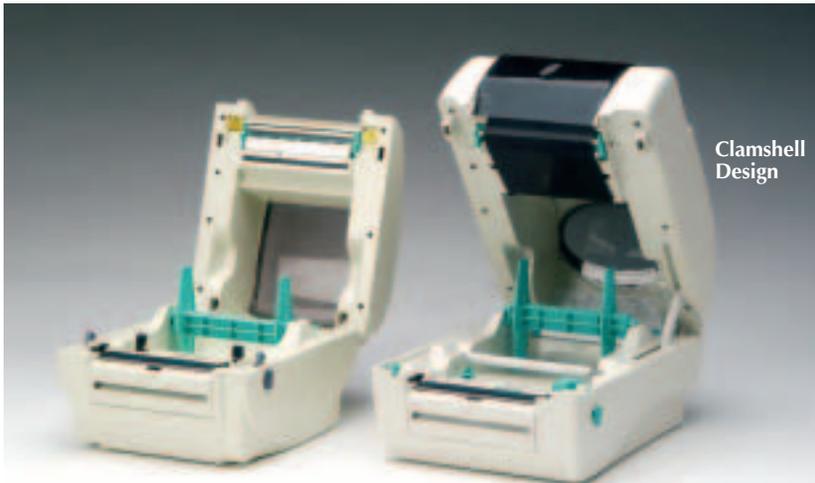
*Connecting Your Thermal Printing Needs.™*

## TSC TDP-245/TTP-245

**TSC is proud to announce the fastest, most versatile, user-friendly desktop printers to ever come to market.** Available in both thermal transfer and direct thermal printer models, the machines offer speeds of up to five inches per second with a 203 DPI resolution. Standard memory is two megabytes of operating DRAM, and one megabyte of addressable FLASH with an option for up to eight MB of additional FLASH memory. The TTP-245 series feature serial, parallel and USB communications ports standard, and offers an optional Ethernet LAN interface for networked installations. Various command languages can be flashed into the printer including TSC's TSPL language and EPL2 and DPL emulations. Easy to maintain, the printhead and platen can be replaced by inexperienced users without tools. All TSC printers feature a 2 year limited warranty.

**All printers in the series feature a user-friendly clamshell design with a large center biased media capacity.** Simply open the cover and drop your labels into the printer. Top of form sensing by gap, black mark, or notch is standard, and completely adjustable from side to side. Labels stored inside the printer can be up to a 5" outer-diameter roll on a one-inch core. Using an optional external media hanger, a full 8" outer diameter roll of labels on a 3" core can be used.

**The flagship TTP-245 has more features than ever before in a small package.** The TTP-245 features the strongest and most durable thermal transfer mechanism in the industry. Its innovative two-motor gear-driven design provides enough horsepower to handle 300 meter long ribbons, and up to 8" OD rolls of labels. Two motors instead of one generate lower torque, more durability and quiet operation. Loading ribbons has never been easier and the 300 meter capacity is more than three times longer than the industry standard for desktop printers.

**The TDP-245 offers direct thermal printing in a small compact case.** By removing the thermal transfer mechanism; we have reduced the size of the printer case while maintaining all the benefits of the series. The TDP-245 features five inch per second speed, 203 dpi resolution in an easy to load clamshell direct thermal printer in a small package.

**Add an optional TSC Keyboard or Battery Pack to build a complete stand-alone mobile system.** TSC makes it easy to develop powerful stand-alone and mobile desktop applications. Use the TSC KP-200 keyboard (starting from $195) and our version of LabelView XLT+ that is provided free with every TSC printer and build a stand-alone printing solution in minutes. Simply design your label formats, including variable fields for text and barcodes. Upload your label designs to the printers flash memory and attach the KP-200 keyboard. Using the keyboard you can call up stored labels, enter variable data and select the number of labels to print. By attaching your favorite scanner to the keyboard serial port, you can even enter data directly from your scanner. To make the entire stand-alone system mobile, add the optional TSC lithium-ion battery pack ($250 list price) and your system can go anywhere your cart can go. The TSC lithium ion battery pack is designed specifically for use with all TSC desktop printers, provides power for 8 hours of stand-by use and prints up to 2,000 inches of labels on a single charge. *TSC is supported by major label design software partners.*

*Value. Performance. Support.*

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# TDP-245
# TTP-245   Specifications

| Printer | Printing method | Direct Thermal and/or Thermal Transfer |
|---|---|---|
| | Model name | TTP-245, TDP-245 |
| Mechanism | Head density | 203 dpi (8 dots/mm) |
| | Max. Print width | 108mm |
| | Max. Print length | 39.3" (999mm) |
| | Printing speed | 2, 3, 4, 5 ips selectable, 2, 3 ips for peeler function |
| Enclosure | Material | Double-walled Plastic |
| | Operation panel | One Push Switch, One Indicator Led (Two Color) |
| Hardware | Sensors | Label gap |
| | | Reflective (position adjustable) easy to clean |
| | | Head open |
| | Memory | Flash ROM (1MB), DRAM (2M bytes) |
| | Interface | RS232 (maximum baud rate 19,200 bps) |
| | | Parallel: SPP / ECP(TBD) |
| | | USB 1.1 |
| | Cutter (option) | Full, 116 mm width |
| | | Paper thickness 0.2mm, 100g/m2, MCBF 500,000 |
| | | Paper thickness 0.25mm, 280g/m2, MCBF 250,000 |
| | Power | 100-240V universal switching power supply (external adapter) |
| Firmware | Font | Five alpha-numeric fonts, Outline font, OCR-A, OCR-B |
| | Font and Barcode direction | 0,90,180,270 degrees |
| | | Barcode Code 39, Code 39C, Code 93, Code128UCC, Code128 subsets A.B.C, Code 11, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digital add-on, MSI, PLESSEY, POSTNET, 2D Barcode PDF-417, Maxicode, DataMatrix, MicroPDF417 |
| | Command set: | TSPL2, EPL2, DPL |
| Software | Application S/W | LabelView XLT+ Windows driver FOR 95,98,NT, 2000, XP |
| Media | Paper Type: | Label (Continuous, die-cut, Fan-fold with guide) |
| | | Width: 19 ~ 118mm (0.75" ~ 4.4") and 19~60mm(0.75"~2.36") |
| | | Length: 10 ~999mm (0.4 ~ 39.3") |
| | | Length (without peel and cutter): 6 ~999mm (0.2 ~ 39.3") |
| | | Paper thickness: 0.06 ~ 0.25mm |
| | | Roll diameter: 5.5" |
| | | Roll core diameter: 25.4mm ~ 76.2mm(1"~ 3") |
| | | Black mark Height: 1.5mm(Min.) |
| | | Black mark width: 8mm(Min.) |
| | | Vertical bias: 1mm(Max.) |
| | | Horizontal bias: 1mm(Max.) Ribbon (TTP-245) Width: 25.4 ~ 114.3mm and 25.4~60mm |
| | | Length: 300m (Max.) |
| | | Outside Diameter: 2.5"(67mm) Max. |
| | | Coated Side Out |
| Environment | Operation | 5 ~40C |
| | Storage: | -10 ~ 60C, Humidity: 20 ~ 95% |
| EMI | | CE class B (EN60950, EN55022, EN55024, EN61000-3-2, EN61000-3-3), FCC class B, VCCI |
| Safety | | UL, CUL, TUV, C-Tick, T-mark (power supply only) |
| Option | | Ribbon end sensor, Label taken sensor, Real time clock, Buzzer |
| External | | KP200 Keyboard display unit, External LAN adapter, External Memory card (1M to 4M bytes), |
| Option | | Liner less printing capability, External roll mount (O.D. 214 mm with 1" core) |
| Special Features | | Easy to maintain. Operator can replace printhead and platen without using any tools or adjustments. FLASH upgradeable Firmware |
| Package | | Included CD, Ribbon for TT, Label (TT or DT), USB Cable and Quick installation guide |
| Pack/Charger | Input | 115/230 VAC , 60/50 Hz |
| | Output | 22.8 VDC / 1.8A |
| | Specification | Battery Pack Voltage: 22.8V |
| | | Weight: 1.8 Kg (battery assembly: 1.3 Kg, housing: 0.5 Kg) |
| | | Size: 30 mm (W) x 210 mm (H) x 260 mm (L) |
| | | Rated Capacity: 2.2Ah |
| | | Storage Temperature : -40~50ºC |
| | | Discharge Temperature : -20~50ºC |
| | | Charge Temperature : 0~45ºC |
| Operation | | Standby 8 hours and printing 2000 inches (Print width 4 inches, printing ratio 15%, Speed 4 IPS). Charge/Discharge cycle guarantee 500 times. Product guarantee 1 year. |