

## Product Bulletin

### Comparison between the T6000 and the T6000e

This bulletin identifies the key differences between the original TSC Printronix T6000 mid-range printer and the latest T6000e v3.

The original T6000 mid-range printer was launched in 2016 to replace the legacy SL4M/T4M series. In 2019, TSC introduced the T6000e and over time made further enhancements culminating with the current T6000e v3 version, perhaps the most versatile mid-range thermal printer on the market.

The T6000e v3 enhancements enabled the product to expand into a broader suite of applications, such as high-resolution printing. In addition, the RFID capability was expanded to support on-metal tags, as well as 1D/2D barcode inspection with the ODV-2D verifier. Not only can the printer support both RFID and barcode inspection at the same time, but any bad labels (whether due to failed RFID encoding or barcode quality) can be fully overstruck and reprinted. The printer was also qualified to operate at lower temperatures to support cold-chain logistics and traceability. The key differences are highlights in the table below.

T6000e vs T6000 Key Feature Differences		
Printing	T6000e	T6000
4in 203dpi 14ips	✓	✓
4in 300dpi 12ips	✓	✓
4in 600dpi 6ips	✓	NA
6in 203dpi 12ips	✓	✓
6in 300dpi 10ips	✓	✓
Supplies		
Media Specs	Same	Same
Ribbon Specs	Coated Side Out Only	Coated Side In Coated Side Out
User Interface		
Color 3.5in LCD	Enhanced Viewing Angle	✓
Nine-button Keypad	✓	✓
Interfaces (Standard)		
USB Device	✓	✓
USB Host	✓	NA
Ethernet 10/100	✓	✓
Serial	✓	✓
Optional Interfaces		
WiFi 802.11a/b/g/n/ac	✓	✓
GPIO	✓	✓
Parallel	✓	✓
Media Handling		
Tear	✓	✓
Peel/Rewind	✓	✓
Batch/Rewind	✓	✓
Cutter	✓	✓
Cutter/ RFID	✓	NA
RFID		
4in Internal Antenna	✓	✓
4in External Antenna	✓	NA
6in External Antenna	✓	NA
Standard RFID Labels	✓	✓
On-Metal RFID Tags	2.2mm	NA
Backup/Overstrike Distance	6"	1"
Combo RFID Encoding and Barcode Inspection	✓	NA

Barcode Inspection		
Integrated Verifier	ODV-2D (1D and 2D Barcodes)	ODV-1D (1D Barcodes Only)
Backup/Overstrike Distance	6"	1"
Combo RFID Encoding and Barcode Inspection	✓	NA
Applications		
Printronic PSA Architecture	✓	✓
Printer Language Support	PGL, ZGL, DGL, IGL, STGL, TGL, MGL, IEGL, EGL	PGL, ZGL, DGL, IGL, STGL, TGL, MGL, IEGL
Asian Fonts	✓	✓
PrintNet Enterprise Manager	✓	✓
SOTI Device Management	✓	✓
Environment		
Temp range	-5deg to +40 degC	+5deg to +40 degC
Physical		
Dimensions	Same	Same
Weight	Same	Same

While there are significant product enhancements, most of the product elements remain the same. The T6000e is 100% in form, fit, and function (FFF) the same as the T6000. This includes the physical enclosure and appearance, as well as the control panel layout and menu structure. The printer firmware is based on the same PSA platform, enabling it to support all major competitor printer languages, PDF/PS files, and legacy IPDS.

All these elements ensure that the T6000e is 100% compatible with the T6000 at application level, assuring drop-in replacement.

Nearly all differences relate to the new features such as the those required for 600dpi printer, the additional external RFID antenna for supporting on-metal tags, and interface for the ODV-2D barcode inspection system, and the full label backup capability.

The key difference to note, and as a compromise for the RFID and Barcode Inspection feature enhancements, is that while the original T6000 supported both coated-side-in and coated-side-out ribbons, **the T6000e v3 only supports coated-side-out ribbons.**

The optional accessories and spare parts are delineated in the table below.

Key Kits and Assembly Differences		
Feature	Status	Comment
<b>Price List</b>		<b>New price sheet</b>
Orderable Part Numbers	Different	Example: T62X4-1100-00 = T6E2X4-1100-00
<b>Options</b>		
Peel-rewind 4in	Different	New Part number but backwards/forwards compatible
Peel-rewind 6in	Same	
Batch-rewind 4in	Same	
Batch-rewind 6in	Same	
Cutter 4in	Same	
Cutter 6in	Same	
WiFi Option	Same	
GPIO Option	Same	
Parallel Option	Same	
QCMC	Different	New part number
Font Cards	Different	New part number
SPX Software Upgrade Keys	Same	
<b>RFID System</b>		
4in RFID Encoder / Antenna Kit	Different	Includes internal and external antenna
6in RFID Encoder / Antenna Kit	Different	Not previously offering on T6000 6in
<b>Spares (~75% Same Parts)</b>		
Printheads	Different	Not backwards/forwards compatible
Controller Assy	Different	USB host added
Control Panel Assy	Different	New LCD
<b>Software</b>		
Printer Firmware	Different	Added 600dpi printing, USB host, ODV-2D etc

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