

## Wide area of application and user-friendly design: the TM-U950

These properties are an apt description of the TM-U950. It is a printer capable of fulfilling all printing needs within a POS environment.

No matter whether you are printing receipts, sales slips or journals, the TM-U950 does its job reliably and with a print speed of up to 311 characters per second. Its user-friendly concept is demonstrated in practical use: easy paper handling and ribbon replacement, automatic paper feed, clearly arranged control panel and clean cutting off of receipts. The print out is impressive with its clear type face even when printing multi-part forms (1 original and 4 copies).

A further, extraordinary good property is the TM-U950's high reliability. This is indicated by the high MTBF values of all components and the performance of the EPSON ribbons which have been developed especially.

It is also an industrial leader when it comes to achieving the important goal of saving space at the point of sale, with its compact design providing all the necessary functions required of a POS printer, parallel or serial interface connection, a standard interface for up to two cashdrawers, software support of connectable customer displays and a serial interface version of the printer for direct connection of the customer display.

The TM-U950 supports the industry standard of the ESC/POS commands. Apart from both simple and more complex printer commands, the TM-U950 offers additional functions which are particularly important when it comes to data security in a cash-register environment: constant printer and paper status checking and reporting, as well as operating and status enquiry of the connected cashdrawers.

Designed to offer superior performance, reliability and flexibility, every model in the TM series of POS-printers supports the industry-standards ESC/POS and OLE for POS which simplifies software development for system integrators and provides high levels of flexibility and an easy upgrade path for users.



*Receipt- and slip printing, journal function and a reliable paper cutter*



*The TM-U950 is worldwide in use in various applications. Since many years.*

## Features of TM-U950

## Your Benefit

Compact design	Saves space and gives flexibility
Smooth, well-designed housing	Complies with modern POS applications and is easy to clean
Printing of receipts, sales slips and journals in one housing	All printing tasks arising at the POS can be dealt with by a single printer
Reliable mechanism and sturdy housing	Suitable for even the most rough of cash register environments: extremely reliable, long operating life and low failure rate
Print speed of up to 311 characters per second	Time-saving check-out procedure at the POS that reduces waiting times for the customer
Carbon copies of sales slips (max. 4 copies)	All standard multi-part forms can be used at the POS
Easy-to-change paper and ribbon	Saves time at the POS and eliminates errors when changing paper and ribbon. Shorter training period for cashier
Auto-status-back function	The printer gives valuable information about status of paper roll, cover and others; reduces programming time and costs
Integrated paper cutter, full cut or partial cut	The sharp cut adds to the clean image of receipt paper; increases reliability because paper dust is avoided
Customer display can be connected to serial model	Saves space on the counter and does away with twisted cables, as the power supply is also integrated
Excellent MTBF and MCBF values	The high reliability results in a low error ratio and avoids failures of cash systems due to printer problems
Harmonisation between printer mechanism and EPSON ribbons	High print quality; Particularly long ribbon life
Built-in drawer kickout interface to connect up to two drawers	Saves an additional interface for the cash drawer within a system; Two drawers make handling of different currencies easy
Supports ESC/POS operating system; the standard code for POS-printers	Ensures compatibility with all EPSON POS-printers and peripherals; offers flexibility for future expansions
Free-of-charge OLE/POS - OCX printer software for Windows OS	OCX printer software for application development support reduces the time period for application development.
An EPSON product	The performance of a strong partner, wide experience and support, compatibility to all EPSON peripherals

## Technical data of EPSON TM-U950

<b>Print method</b>	Dot matrix, 9-pin
<b>Fonts</b>	7x9 or 9x9
<b>Characters per line receipt/journal</b>	69,5 mm: 40 / 30 cpl
<b>Characters per line slip</b>	80 / 66
<b>Character size mm</b>	1.3(W) x 3.1(H) / 1.6(W) x 3.1(H)
<b>Characters per Inch</b>	16,7 / 12,5
<b>Printing width receipt/journal</b>	61,1 mm
<b>Printing width slip</b>	135,6 mm
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>• RS-232 / parallel</li> <li>• DM-D customer display (on serial type)</li> <li>• cashdrawer</li> <li>• power supply</li> </ul>
<b>Receive buffer</b>	2 KB or 32 Byte
<b>Print speed</b>	311 / 233 characters per second
<b>Paper width receipt/journal</b>	69,5 mm +/-0.5
<b>Paper size slip</b>	70(W) x 70(L) bis 210(W) x 297(L)
<b>Paper roll diameter</b>	Max. 83 mm
<b>Copies slip</b>	Up to 4 copies
<b>Inked ribbon</b>	ERC-31
<b>Autocutter</b>	Integrated, „full cut“ or „one-point-left cut“
<b>Power consumption</b>	Stand-by: 0,3 A Printing: 1,8 A
<b>Power supply</b>	PS-180 (option)
<b>Cashdrawer</b>	2 cashdrawers can be driven
<b>Reliability</b>	MTBF: 180.000 hrs. MCBF: 18 million lines
<b>Dimensions and weight</b>	251 mm (W) x 298 mm (D) x 194,5 mm (H); 5,6 Kg
<b>Colour</b>	EPSON cool white
<b>Standard features</b>	<ul style="list-style-type: none"> <li>• Journal function</li> <li>• Autocutter</li> <li>• Integrated 'Auto-status-back' function (ASB)</li> <li>• Receipt „Near end“-sensor</li> <li>• Receipt „End“-sensor</li> <li>• Journal „Near end“-sensor</li> <li>• Slip insert sensor</li> <li>• Slip output sensor</li> <li>• „Cover open“-sensor</li> </ul>
<b>Options</b>	DM-D customer display
<b>EMI standard</b>	CE mark, EN55022 Class B, EN55024
<b>Safety standard</b>	EN60950