TM-U675: Functional Design on a small footprint

Fast, quiet, robust, reliable and functional – these are the characteristics which accurately describe the EPSON TM-U675 POS matrix printer. An attractive design and safe handling are further appealing qualities of this successor to the proven TM-U375: the capacity to print **receipts, slips** and **journals**, two slip entry options, faster "drop-in" paper roll change, a choice of typesets and particularly quiet printing all make a considerable contribution to enable smooth, flexible, POS transactions. For daily use the TM-U675 proves a reliable, easy to operate, top of the range matrix printer which offers excellent value for money.

Compact and well designed

As free space in the area of the POS is always very limited, this EPSON top of the range matrix printer takes up the minimum amount necessary. The TM-U675 requires only 18.6 x 29.8 cm of space, in other words, less than a sheet of A4 paper. Not only does it fill this space functionally, it is also visually pleasing. The combination of functionality and attractive design occupying the minimum amount of space also makes the TM-U675 an interesting option for up-market retailers such as boutiques and jewellers, that prefer the low TCO of impact printers instead of thermal paper use.

Simple and safe handling

Long queues at the POS because the new paper roll is difficult to load, or because of a paper jam due to slips having been fed in crooked? This is also a thing of the past. Like all the new EPSON POS printers, the TM-U675 incorporates the "drop-in" process, enabling paper roll to be changed quickly and easily.

Changing the ribbon cassettes is just as simple and only needs to be performed after up to 6 million characters have been printed. In order to ensure that slips can be handled in the most flexible way possible, the TM-U675 allows them to be fed into the printer from the front as well as from above (validation). The integrated form guide ensures the loaded paper (forms, cheques etc.) is drawn in correctly. The auto-status-back function (ASB) proactively informs the user of changes in printer status.

TM-U675: High speed impact printing on receipt, slip and journal

The customer display can be fixed under the bottom of the TM-U675

Comfortable and flexible

The TM-U675 prints slips and receipts in bi-directionally at a speed of 5,14 lines per second, with a surprisingly low noise level of 59dB. The top of the range EPSON matrix printer offers a choice of two typefaces (7 x 9 and 5 x 9). With the help of the "page mode" the printer can be quickly and easily linked to all the system functions and can accurately print a wide variety of slips. To achieve this, the printer also supports the ESC/POS standard set of commands. It's reliable deployment is further optimised by the integrated remote diagnosis feature, which allows the most important printer parameters to be accessed. The TM-U675 is available with interchangeable serial, parallel, USB or Ethernet-interface and is thus very versatile.

Options to satisfy all requirements

The printer is available with magnetic ink character recognition (MICR) as an option for processing cheques. This option is particularly suited for use in banks, financial institutions or post office counters. It's also available with an automatic paper cutter for razor sharp separation of receipts. A special EPSON DM-D customer display can be attached to the rear or to the side of the printer and be connected directly to the printer by means of the serial variant. The effect is compact and neat, without the appearance of lengths of superfluous cable.

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Features of TM-U675   Your Benefit

Combined receipt, slip and journal printer in a small housing	Saves space and gives flexibility; can be used for many branches and applications
Impact printing	Low TCO due to the use of normal paper
Slips can be inserted from front or from the top (validation)	Faster validation printing saves time
Functional and smooth housing	All components of the printer are easy to reach and to clean
Printing speed up to 5,14 lps	Saves time at POS during the cash procedure; avoids customer queues in the cash zone
Relatively silent impact printer (59dB)	Quiet printing for a convenient atmosphere in the cash zone; printer can also be used in high-class shops; avoids disturbing the staff and the customers at POS
Easy drop-in paper load and change of ribbon cassette	Time saving at the POS and error-free change of roll paper as well as a short training period of the cashier staff
Interface can be exchanged	Gives flexibility for applications of the future; printer can be used for many branches; saves the investment
Built-in drawer kick out 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
Auto-status-back function	The printer gives valuable information about status of paper roll, slip insertion and others; reduces programming time and costs
Remote diagnosis function	Supports diagnosis, maintenance and service of the printer, gives additional statistic information of POS-systems
Integrated paper cutter (option)	The sharp cut adds to the clean image of receipt paper; avoids dust from receipt paper and increases the reliability
MICR function (options)	Quick and easy processing of cheque payments
Exact head positioning in „Page Mode"	Easy and quick software development
Excellent reliability values: MCBF: 37 mio. lines MTBF: 180.000 hours	The high reliability results in a low error ratio and avoids failures of cash systems due to printer problems; leads to low TCO
Large EPSON ribbon cassette for up to 6 million characters	Saves time at POS and avoids customer queues in the cash zone due to ribbon change
Harmonisation between printer mechanism and EPSON ribbons	High print quality; Particularly long ribbon and print head life
Supports the well known ESC/POS 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	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

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Technical data EPSON TM-U675

Print method	9-Pin impact dot matrix;
Print font B/A	7x9 / 5x9 dots
Column capacity B/A	Receipt: 37 / 50 cpl Slip: 45 / 60 cpl
Character size	1.56W) x 3.1(H) / 1.24(W) x 3.1(H)
Character sets	95 alphanumeric, 37 international ch., 128 x 12 character sets
Interface	• Optional: RS-232, RS-485, bi-directional parallel, USB, Ethernet • Cash drawer • Customer display (only with serial interface) • Power supply: PS-180
Receive Buffer	4 KB or 45 bytes
User def. Buffer	1 KB
Digital LOGO	384 KB
Print speed	Up to 5,14 lps
Paper Dimensions mm	Receipt: 82.5 +/-0.5, 76, max. Ø 89, when journal paper is used: Ø 83 Slip: 68(W) x 152(H) to 230(W) x 297(H)
Paper Thickness mm	Receipt: 0.06 to 0.085 Journal: 0.05 to 0.08 together max. 0.2 mm Slip: 0.09 to 0.2 (max. thickness 0.31 mm)
Auto cutter	Option
Sensors	Receipt paper near end, paper end, Slip TOF-, BOF und „cut sheet eject" sensor Validation and cover open sensor
Copy capability	Receipt: one original and 2 copies Slip: one original and 3 copies
Ribbon Slip print	ERC-32
Power	24 VDC +/- 10%
Power supply (Option)	PS-180
Consumption	Receipt: ca. 1.8 A Stand-by ca. 0,2 A
Reliability MTBF	180 000 h
Reliability MCBF	37 mio. lines
Overall dimensions mm	186(W) x 298(D) x 195(H)
Weight	5.8 kg (including autocutter)
EMI standard	CE mark, EN55022 Class B, EN55024, EN45501
Safety standards	EN 60950
Options	• Autocutter • MICR • PS-180 • DM-D customer display

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