

## DA210/DA220 SERIES – Desktop Direct Thermal Bar Code Printer

| PRINTER MODEL                 | DA210                                                                                                                                                                                                                                                                                                                       | DA310                          | DA220                                                                                                                                                                                                                         | DA320                            |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Resolution                    | 8 dots/mm (203 DPI)                                                                                                                                                                                                                                                                                                         | 12 dots/mm (300 DPI)           | 8 dots/mm (203 DPI)                                                                                                                                                                                                           | 12 dots/mm (300 DPI)             |
| Printing method               | Direct Thermal                                                                                                                                                                                                                                                                                                              |                                |                                                                                                                                                                                                                               |                                  |
| Max. print speed              | 152.4 mm (6")/second                                                                                                                                                                                                                                                                                                        | 102 mm (4")/second             | 152.4 mm (6")/second                                                                                                                                                                                                          | 102 mm (4")/second               |
| Max. print width              | 108 mm (4.25")                                                                                                                                                                                                                                                                                                              | 105.7 mm (4.16")               | 108 mm (4.25")                                                                                                                                                                                                                | 105.7 mm (4.16")                 |
| Max. print length             | 2,794 mm (110")                                                                                                                                                                                                                                                                                                             | 1,016 mm (40")                 | 25,400 mm (1000")                                                                                                                                                                                                             | 11,430 mm (450")                 |
| Enclosure                     | Double-walled plastic                                                                                                                                                                                                                                                                                                       |                                |                                                                                                                                                                                                                               |                                  |
| Physical dimension            | 172 mm (W) x 165 mm (H) x 195 mm (D)<br>6.77" (W) x 6.50" (H) x 7.68" (D)                                                                                                                                                                                                                                                   |                                |                                                                                                                                                                                                                               |                                  |
| Weight                        | 1.5 kg (3.31 lbs)                                                                                                                                                                                                                                                                                                           |                                |                                                                                                                                                                                                                               |                                  |
| Label roll capacity           | 127 mm (5") OD                                                                                                                                                                                                                                                                                                              |                                |                                                                                                                                                                                                                               |                                  |
| Processor                     | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                             |                                |                                                                                                                                                                                                                               |                                  |
| Memory                        | • 8 MB Flash memory<br>• 16 MB DRAM                                                                                                                                                                                                                                                                                         |                                | • 128 MB Flash memory<br>• 64 MB DRAM                                                                                                                                                                                         |                                  |
| Interface                     | • USB 2.0 (High speed mode)<br>• Internal Bluetooth (factory option)                                                                                                                                                                                                                                                        |                                | • PCBA1: USB 2.0 High speed Modus, USB Host, RS-232 und Ethernet (Standard)<br>• PCBA2: USB 2.0 und Ethernet (factory option)<br>• Internal 802.11 a/b/g/n wireless (factory option)<br>• Internal Bluetooth (factory option) |                                  |
| Power                         | External universal switching power supply<br>• Input: AC 100-240V, 50-60Hz<br>• Output: DC 24V, 2.5A, 60W                                                                                                                                                                                                                   |                                |                                                                                                                                                                                                                               |                                  |
| Operation switch, button, LED | 1 power switch, 1 feed button & 1 LED (3 colors: green, amber & red)                                                                                                                                                                                                                                                        |                                |                                                                                                                                                                                                                               |                                  |
| Sensors                       | • Transmissive gap sensor<br>• Black mark reflective sensor<br>• Head open sensor                                                                                                                                                                                                                                           |                                |                                                                                                                                                                                                                               |                                  |
| Internal fonts                | • 8 alpha-numeric bitmap fonts<br>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font                                                                                                                                                                                              |                                |                                                                                                                                                                                                                               |                                  |
| Bar code                      | • 1D bar code<br>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, RSS-Stacked, GS1 DataBar, Code 11, China Post<br>• 2D bar code<br>PDF-417, Maxicode, DataMatrix, QR code, Aztec, MicroPDF417 |                                |                                                                                                                                                                                                                               |                                  |
| Font and barcode rotation     | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                      |                                |                                                                                                                                                                                                                               |                                  |
| Printer language              | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                              |                                |                                                                                                                                                                                                                               |                                  |
| Media type                    | Continuous, black mark, fan-fold, notched (outside wound), continuous linerless label (factory option)                                                                                                                                                                                                                      |                                |                                                                                                                                                                                                                               |                                  |
| Media width                   | 19 ~ 114 mm (0.7" ~ 4.5")                                                                                                                                                                                                                                                                                                   |                                |                                                                                                                                                                                                                               |                                  |
| Media thickness               | 0.055 ~ 0.19 mm (2.16 ~ 7.48 mil)                                                                                                                                                                                                                                                                                           |                                |                                                                                                                                                                                                                               |                                  |
| Media core diameter           | 25.4 ~ 38 mm (1" ~ 1.5")                                                                                                                                                                                                                                                                                                    |                                |                                                                                                                                                                                                                               |                                  |
| Label length                  | 10 ~ 2,794 mm<br>(0.39" ~ 110")                                                                                                                                                                                                                                                                                             | 10 ~ 1,016 mm<br>(0.39" ~ 40") | 10 ~ 25,400 mm<br>(0.39" ~ 1000")                                                                                                                                                                                             | 10 ~ 11,430 mm<br>(0.39" ~ 450") |
| Environment condition         | Operation: 5 ~ 40°C, 25 ~ 85% non-condensing<br>Storage: -40 ~ 60°C, 10 ~ 90% non-condensing                                                                                                                                                                                                                                |                                |                                                                                                                                                                                                                               |                                  |
| Safety regulation             | FCC Class A, CE Class A, RCM, EAC, CB, CCC, KC, BIS, UL, ENERGY STAR®                                                                                                                                                                                                                                                       |                                |                                                                                                                                                                                                                               |                                  |
| Environmental concern         | Comply with RoHS, WEEE                                                                                                                                                                                                                                                                                                      |                                |                                                                                                                                                                                                                               |                                  |
| Accessories                   | • Windows labeling software CD disk<br>• Quick start guide<br>• USB cable<br>• Power cord<br>• External universal switching power supply                                                                                                                                                                                    |                                |                                                                                                                                                                                                                               |                                  |
| Limited warranty              | • Printer: 2 years<br>• Print head: 25 km (1 million inches) or 12 months which comes first<br>• Platen: 50 km (2 million inches) or 12 months which comes first                                                                                                                                                            |                                |                                                                                                                                                                                                                               |                                  |
| Factory options               | • Internal Bluetooth                                                                                                                                                                                                                                                                                                        |                                | • Real Time Clock<br>• PCBA2: USB2.0 and Ethernet<br>• Internal 802.11 a/b/g/n wireless<br>• Internal Bluetooth                                                                                                               |                                  |
| Dealer options                | N/A                                                                                                                                                                                                                                                                                                                         |                                | • Peel-off module<br>• Guillotine cutter (full cut or partial cut)<br>• Linerless with cutter<br>• Linerless with tear                                                                                                        |                                  |
| User options                  | • 1.5" adaptor for 1.5" paper core<br>• External roll mount, media OD. 214 mm (8.4") with 76.2 mm (3") core                                                                                                                                                                                                                 |                                | • 1.5" adaptor for 1.5" paper core<br>• External roll mount, media OD. 214 mm (8.4") with 76.2 mm (3") core<br>• KP-200 Plus keyboard display unit (serial interface)                                                         |                                  |



TSC® is a trademark of TSC Auto ID Technology Co., Ltd.  
 TSC Auto ID Technology Co., Ltd. is an ISO 9001/14001 registered company.  
 © 2022 TSC Auto ID Technology Co., Ltd.  
 Product models and Specifications are subject to change without notice.  
 Contact your TSC sales representative for specific information.  
 V1022