# DA Series

## Desktop Barcode Printer

### Built to Scale with Your Business

The DA Series delivers direct thermal desktop printing built to scale — from essential label printing to our most advanced, network-ready models. Choose the level of connectivity and control your operation demands, all without sacrificing the compact design and easy loading every model shares.

## Key Features

- Compact, space-saving footprint across every model
- Tool-free clamshell loading with a spring-loaded roll holder and automatic gap, black mark, and notch sensing
- Print speeds up to 6 ips at 203 dpi (4 ips at 300 dpi)

## Strengths by Model

### DA210/DA310 — Simple and Dependable

- USB 2.0 standard, Bluetooth available as an option
- Plug in and print — no configuration required

### DA220/DA320 — Connects to Any Network

- Serial, Ethernet, USB Host, Bluetooth, and Wi-Fi + Bluetooth 5.0 combo options cover nearly every deployment
- Auto-switching emulation (EPL, ZPL, ZPL II, DPL) drops into existing workflows without system changes
- 128 MB Flash/64 MB SDRAM for fonts, character sets, and graphics

### DA241/DA341 — Our Most Capable Models

- Standard RS-232, USB Host, and Ethernet, with dealer-installable Wi-Fi 802.11ac and Bluetooth 5.3 to match each site's connectivity needs
- 128 MB Flash/128 MB SDRAM, doubling memory for faster processing and larger graphics
- Native linerless label support cuts roll changes and material waste on high-volume lines
- Fleet-wide visibility through MDM and TSC Console integration, protected by HTTPS and SNMPv3 network security

### DA220HC/DA320HC — Built for Clinical Environments

- Antibacterial, disinfectant-ready enclosure withstands frequent hospital-grade cleaning
- IEC 60601-1 certified power supply meets medical electrical safety standards
- Same easy-loading design and full barcode/label compatibility as the standard DA Series

### DA241HC / DA341HC — Top-Tier Performance, Hardened for Clinical Use

- Same RS-232, USB Host, Ethernet, Wi-Fi 802.11ac, and Bluetooth 5.3 connectivity as DA241/DA341
- Antibacterial, disinfectant-ready enclosure withstands frequent hospital-grade cleaning
- IEC 60601-1 certified power supply meets medical electrical safety standards
- Same MDM, TSC Console, HTTPS, and SNMPv3 enterprise security as DA241/DA341, for hospitals that need centralized fleet management

## Applications

### Transportation and Logistic

- Small Parcel Shipping
- Mail Room Address and Routing Labels
- Shipping & Receiving
- Entertainment and Transportation Ticketing

### Healthcare

- Specimen Labeling
- Pharmacy Labeling
- Patient Tracking

### Retail

- Retail Point-of-Sale
- File-Folder Labeling



# DA Series Specifications

| 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 | 152.4mm (6")/second | 102mm (4")/second | 152.4mm (6")/second | 102mm (4")/second |
| Max. Print Width | 108mm (4.25") | 105.7mm (4.16") | 108mm (4.25") | 105.7mm (4.16") |
| Max. Print Length | 2,794mm (110") | 1,016mm (40") | 25,400mm (1000") | 11,430mm (450") |
| Enclosure | Double-walled plastic | | | |
| Physical Dimension | 172mm (W) x 165mm (H) x 195mm (D)<br>6.77" (W) x 6.50" (H) x 7.68" (D) | | | |
| Weight | 1.5kg (3.31lbs) | | | |
| Label Roll Capacity | 127mm (5") O.D. | | | |
| 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<br>• Bluetooth 5.0 (dealer option)<br>• MFi Bluetooth 5.0 (factory option) | | • PCBA1: USB 2.0, USB Host, RS-232 and Ethernet<br>• PCBA2: USB 2.0 and Ethernet<br>• Internal Ethernet, 10/100 Mbps<br>• Bluetooth 5.0 (dealer option)<br>• MFi Bluetooth 5.0 (factory option)<br>• 802.11 a/b/g/n Wi-Fi with Bluetooth 5.0 combo module (dealer option) | |
| Power | External universal switching power supply<br>• Input: AC 100-240V, 2.0A, 50-60Hz<br>• Output: DC 24V, 2.5A, 60W | | | |
| Operation Switch, Button, LED | 1 power switch, 1 operation button (pause/feed), 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 | | | |
| Barcode | • 1D barcode<br>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br>• 2D barcode<br>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode) | | | |
| Font and Barcode Rotation | 0, 90, 180, 270 degree | | | |
| Printer Language | TSPL-EZD (Compatible with EPL, ZPL, ZPL II, DPL) | | | |
| Media Type | Continuous, die-cut, black mark, fan-fold, notched (outside wound) | | Continuous, black mark, fan-fold, notched (outside wound), linerlessd, die-cut | |
| Media Width | 19mm - 114mm (0.7" - 4.5") | | | |
| Media Thickness | 0.055mm - 0.19mm (2.16mil - 7.48mil) | | | |
| Media Core Diameter | 25.4mm - 38mm (1" - 1.5") | | | |
| Label Length | 10mm - 2,794mm (0.39" - 110") | 10mm - 1,016mm (0.39" - 40") | 10mm - 25,400mm (0.39" - 1000") | 10mm - 11,430mm (0.39" - 450") |
| Environment Condition | Operation: 5°C to 40°C (41°F to 104°F), 25% - 85% non-condensing<br>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing | | | |
| Safety Regulation | CB, FCC Class A, IC, CE Class A, UKCA, EAC, CCC, BIS, RCM, BSMI, KC, Energy Star 3.2 | | | |
| Environment Conern | Comply with RoHS, REACH, WEEE, China RoHS | | | |
| Accessories | • Quick start guide<br>• USB cable<br>• Power cord<br>• External universal switching power supply | | | |
| Limited Warranty | • Printer: 2 years<br>• Printhead: 25km (1 million inches) or 12 months which comes first<br>• Platen: 50km (2 million inches) or 12 months which comes first | | | |
| Factory Options | MFi Bluetooth 5.0 | | • Real Time Clock<br>• MFi Bluetooth 5.0 | |
| Dealer Options | Bluetooth 5.0 | | • 802.11 a/b/g/n Wi-Fi with Bluetooth 5.0 combo module<br>• Bluetooth 5.0<br>• Guillotine cutter (full cut and partial cut)<br>• Peel-off module<br>• Linerless with cutter<br>• Linerless with cutter (enhanced)<br>• Linerless with tear | |
| User Options | • 1.5" adaptor for 1.5" paper core<br>• External roll mount, media O.D. 214mm (8.4") with 76.2mm (3") core | | | |




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# DA Series Specifications

| Model | DA241 | DA341 |
|---|---|---|
| Resolution | 8 dots/mm (203 dpi) | 12 dots/mm (300 dpi) |
| Printing Method | Direct Thermal | |
| Max. Print Speed | 152mm (6")/ second | 102mm (4")/ second |
| Max. Print Width | 108mm (4.25") | 105.7mm (4.16") |
| Max. Print Length | 25,400mm (1,000") | 11,430mm (450") |
| Enclosure | Double-walled plastic | |
| Physical Dimension | 172mm (W) x 165mm (H) x 195mm (D)<br>6.77" (W) x 6.50" (H) x 7.68" (D) | |
| Weight | 1.5kg (3.31 lbs) | |
| Label Roll Capacity | 127mm (5") O.D. | |
| Processor | 32-bit RISC CPU | |
| Memory | • 128 MB Flash memory<br>• 128 MB SDRAM | |
| Interface | • PCBA1: USB 2.0, USB Host, RS-232 and Ethernet (standard)<br>• PCBA2: USB 2.0 and Ethernet<br>• Internal Ethernet, 10/100 Mbps<br>• Bluetooth 5.3 (dealer option)<br>• MFi Bluetooth 5.3 (factory option)<br>• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option) | |
| Power | External universal switching power supply<br>• Input: AC 100-240V, 1.5A, 50-60Hz<br>• Output: DC 24V, 2.5A, 60W | |
| Operation Switch, Button, LED | • 1 power switch<br>• 1 operation button (pause/feed)<br>• 1 LED (3 colors: green, amber & red) | |
| Sensors | • Transmissive gap sensor<br>• Black mark reflective sensor<br>• Head open sensor | |
| Real Time Clock | Standard | |
| Internal Font | • 8 alpha-numeric bitmap fonts<br>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font | |
| Barcode | • 1D barcode<br>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br>• 2D barcode<br>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode), rMQR Code | |
| Font and Barcode Rotation | 0, 90, 180, 270 degree | |
| Printer Language | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL) | |
| Media Type | Continuous, die-cut, black mark, fan-fold, notched, linerless | |
| Media Width | 19 - 114mm (0.7" - 4.5") | |
| Media Thickness | 0.055mm - 0.19mm (2.17mil - 7.48mil) | |
| Media Core Diameter | 25.4mm - 38mm (1" - 1.5") | |
| Label Length | 10mm - 25,400mm (0.39" - 1,000") | 10mm - 11,430mm (0.39" - 450") |
| Environment Condition | • Operation: 5°C to 40°C (41°F to 104°F), 25% - 85% non-condensing<br>• Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing | |
| Safety Regulation | CB, FCC Class A, UL, cUL, IC, CE Class A, TÜV/safety, UKCA, EAC, RCM Class A, CCC, BIS, KC, BSMI, , Energy Star 3.2 | |
| Environmental Concern | Comply with RoHS, REACH, WEEE, China RoHS | |
| Accessories | • Quick start guide<br>• USB cable<br>• Power cord<br>• Power adaptor<br>• External universal switching power supply | |
| Limited Warranty | • Printer: 2 years<br>• Printhead: 25km (1 million inches) or 12 months which comes first<br>• Platen: 50km (2 million inches) or 12 months which comes first | |
| Factory Option | MFi Bluetooth 5.3 | |
| Dealer Option | • 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module<br>• Bluetooth 5.3<br>• Guillotine cutter (full cut and partial cut)<br>• Peel-off module<br>• Linerless with cutter<br>• Linerless with cutter (enhanced)<br>• Linerless with tear | |
| User Option | • 1.5" adaptor for 1.5" paper core<br>• External roll mount, media O.D. 214mm (8.4") with 76.2mm (3") core | |




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# DA Series Healthcare Specifications

| Model | DA220HC | DA320HC |
|---|---|---|
| Resolution | 8 dots/mm (203 dpi) | 12 dots/mm (300 dpi) |
| Printing Method | Direct Thermal | |
| Max. Print Speed | 152.4mm (6")/second | 102mm (4")/second |
| Max. Print Width | 108mm (4.25") | 105.7mm (4.16") |
| Enclosure | • Double-walled plastic<br>• Disinfectant-ready plastic<br>• Antibacterial enclosure | |
| Physical Dimension | 172mm (W) x 165mm (H) x 195mm (D)<br>6.77" (W) x 6.50" (H) x 7.68" (D) | |
| Weight | 1.5kg (3.31lbs) | |
| Label Roll Capacity | 127mm (5") O.D. | |
| Processor | 32-bit RISC CPU | |
| Memory | • 128 MB Flash memory<br>• 64 MB DRAM | |
| Interface | • PCBA1: USB 2.0, USB Host, RS-232 and Ethernet<br>• PCBA2: USB 2.0 and Ethernet<br>• Internal Ethernet, 10/100 Mbps | • Bluetooth 5.0 (dealer option)<br>• MFi Bluetooth 5.0 (factory option)<br>• 802.11 a/b/g/n Wi-Fi with Bluetooth 5.0 combo module (dealer option) |
| Power | External universal switching power supply<br>• IEC 60601-1 certified power supply<br>• Input: AC 100-240V, 2.0A, 50-60Hz<br>• Output: DC 24V, 2.5A, 60W | |
| Operation Switch, Button, LED | 1 power switch, 1 operation button (pause/feed), 1 LED (3 colors: green, amber & red) | |
| Sensors | • Transmissive gap sensor<br>• Black mark reflective sensor<br>• Head open sensor | |
| Real Time Clock | Standard | |
| Internal Fonts | • 8 alpha-numeric bitmap fonts<br>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font | |
| Barcode | • 1D barcode<br>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br>• 2D barcode<br>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode) | |
| Font and Barcode Rotation | 0, 90, 180, 270 degree | |
| Printer Language | TSPL-EZD (Compatible with EPL, ZPL, ZPL II, DPL) | |
| Media Type | Continuous, black mark, fan-fold, notched (outside wound), linerless, die-cut | |
| Media Width | 19mm - 114mm (0.7" - 4.5") | |
| Media Thickness | 0.055mm - 0.19mm (2.16mil - 7.48mil) | |
| Media Core Diameter | 25.4mm - 38mm (1" - 1.5") | |
| Label Length | 10mm - 25,400mm<br>(0.39" - 1,000") | 10mm - 11,430mm<br>(0.39" - 450") |
| Environment Condition | Operation: 5°C to 40°C (41°F to 104°F), 25% - 85% non-condensing<br>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing | |
| Safety Regulation | CB, FCC Class A, IC, CE Class A, UKCA, EAC, CCC, BIS, RCM, BSMI, KC, Energy Star 3.2 | |
| Environment Conern | Comply with RoHS, REACH, WEEE, China RoHS | |
| Accessories | • Quick start guide<br>• USB cable<br>• Power cord<br>• External universal switching power supply | |
| Limited Warranty | • Printer: 2 years<br>• Printhead: 25km (1 million inches) or 12 months which comes first<br>• Platen: 50km (2 million inches) or 12 months which comes first | |
| Factory Options | MFi Bluetooth 5.0 | |
| Dealer Options | • 802.11 a/b/g/n Wi-Fi with Bluetooth 5.0 combo module<br>• Bluetooth 5.0<br>• Guillotine cutter (full cut and partial cut)<br>• Peel-off module<br>• Linerless with cutter<br>• Linerless with cutter (enhanced)<br>• Linerless with tear | |
| User Options | • 1.5" adaptor for 1.5" paper core<br>• External roll mount, media O.D. 214mm (8.4") with 25.4mm (1") core | |




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# DA Series Healthcare Specifications

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|---|---|---|
| Resolution | 8 dots/mm (203 dpi) | 12 dots/mm (300 dpi) |
| Printing Method | Direct Thermal | |
| Max. Print Speed | 152.4mm (6")/second | 102mm (4")/second |
| Max. Print Width | 108mm (4.25") | 105.7mm (4.16") |
| Max. Print Length | 25,400mm (1,000") | 11,430mm (450") |
| Enclosure | • Double-walled plastic<br>• Disinfectant-ready plastic<br>• Antibacterial enclosure | |
| Physical Dimension | 172mm (W) x 165mm (H) x 195mm (D)<br>6.77" (W) x 6.50" (H) x 7.68" (D) | |
| Weight | 1.5kg (3.31 lbs) | |
| Label Roll Capacity | 127mm (5") O.D. | |
| Processor | 32-bit RISC CPU | |
| Memory | • 128 MB Flash memory<br>• 128 MB SDRAM | |
| Interface | • PCBA1: USB 2.0, USB Host, RS-232 and Ethernet<br>• PCBA2: USB 2.0 and Ethernet<br>• Internal Ethernet, 10/100 Mbps<br>• Bluetooth 5.3 (dealer option)<br>• MFi Bluetooth 5.3 (factory option)<br>• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option) | |
| Power | External universal switching power supply<br>• IEC 60601-1 certified power supply<br>• Input: AC 100-240V, 2.0A, 50-60Hz<br>• Output: DC 24V, 2.5A, 60W | |
| Operation Switch, Button, LED | • 1 power switch<br>• 1 operation button (pause/feed)<br>• 1 LED (3 colors: green, amber & red) | |
| Sensors | • Transmissive gap sensor<br>• Black mark reflective sensor<br>• Head open sensor | |
| Real Time Clock | Standard | |
| Internal Font | • 8 alpha-numeric bitmap fonts<br>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font | |
| Barcode | • 1D barcode<br>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br>• 2D barcode<br>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode), rMQR Code | |
| Font & Barcode Rotation | 0, 90, 180, 270 degree | |
| Printer Language | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL) | |
| Media Type | Continuous, die-cut, black mark, fan-fold, notched, linerless | |
| Media Width | 19mm - 114mm (0.7" - 4.5") | |
| Media Thickness | 0.055mm - 0.19mm (2.16mil - 7.48mil) | |
| Media Core Diameter | 25.4mm - 38mm (1"- 1.5") | |
| Label Length | 10mm - 25,400mm (0.39" - 1,000") | 10mm - 11,430mm (0.39" - 450") |
| Environment Condition | • Operation: 5°C to 40°C (41°F to 104°F), 25% - 85% non-condensing<br>• Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing | |
| Safety Regulation | CB, FCC Class A, UL, cUL, IC, CE Class A, TÜV/safety, UKCA, EAC, RCM Class A, CCC, BIS, KC, BSMI, , Energy Star 3.2 | |
| Environmental Concern | Comply with RoHS, REACH, WEEE, China RoHS | |
| Accessories | • Quick start guide<br>• USB cable<br>• Power cord<br>• Power adaptor<br>• External universal switching power supply | |
| Limited Warranty | • Printer: 2 years<br>• Printhead: 25km (1 million inches) or 12 months which comes first<br>• Platen: 50km (2 million inches) or 12 months which comes first | |
| Factory Option | MFi Bluetooth 5.3 | |
| Dealer Option | • 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module<br>• Bluetooth 5.3<br>• Guillotine cutter (full cut and partial cut)<br>• Peel-off module<br>• Linerless with cutter<br>• Linerless with cutter (enhanced)<br>• Linerless with tear | |
| User Option | • 1.5" adaptor for 1.5" paper core<br>• External roll mount, media O.D. 214mm (8.4") with 25.4mm (1") core | |




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