

SP300 Series Dot Matrix Printers

The SP300 Series is designed for a wide range of applications. The SP311/312 and SP341/342 are suitable for PC-Point of Sale and restaurant systems. The SP317 and SP347 are dual printhead high-speed models. The SP321/322 offer sprocket paper drive providing the ability to print on pre-printed forms.

The stepping motor paper drive system has several advantages including quiet operation and adjustable line feed increment. This feature along with the cassette ribbon offers a printer mechanism that is simple in design and virtually maintenance-free.

Standard features include dual cash drawer drivers and single line validation. The cutter model supports full cut and perforate functions. The SP349/UP389 kiosk printers are specially designed for unattended printer applications directly operated by the general public.

Specifications

| | |
|--------------|---------------------------------|
| Print Method | Serial Impact Dot Matrix |
| Print Format | 28 or 40 Columns |
| Print Speed | 3.2 to 5.5 Lines/Second |
| Media | Sprocket or Friction Roll Paper |
| Interface | Serial or Parallel |

SP300 Series Specification Sheet

High Quality Dot Matrix Printer

High performance, high reliability, long life receipt printers
 High speed models (SP317, SP347) are available
 4KB data buffer - RAM backup
 Addressable mode with RS422A (option)
 14 printers can be operated through one serial port
 OPOS Drivers available

Product Range

| | |
|----------------------|--------------------|
| SP312FC Parallel I/F | SP312FD Serial I/F |
| SP342FC Parallel I/F | SP342FD Serial I/F |
| SP317FC Parallel I/F | SP317FD Serial I/F |
| SP347FC Parallel I/F | SP347FD Serial I/F |

Specifications

| Item | SP317F SP347F | SP312F SP342F |
|-------------------|--------------------------|------------------|
| Print method | 9-pin serial dot matrix | |
| Print direction | Bi-directional | |
| Number of columns | 40(15CPI) | |
| Character font | 7(Half dot) x 9 or 5 x 9 | |

| | | | |
|--------------------------------|-------------------|--|------------------------|
| | | | |
| Dot pitch(mm) | | 0.340(H) x 0.353(V) | 0.330(H) x 0.353(V) |
| Line spacing | | 1/6", 1/8", n/144" | |
| Character size | | 15, 12, 8, 6 CPI | |
| Print speed (line/sec.) | | Approx. 5.5 | Approx. 3.2 |
| Paper feed speed (inches/sec.) | | Approx. 3 | |
| Character set | | ASCII, Special, Block graphics, IBM special, International, IBM block graphics, Download | |
| Ink ribbon | Type | Ribbon cassette | |
| | Life (characters) | RC300P(Purple) 6 million RC300B(Black) 1.6 million | |
| Paper | Media | Roll paper | |
| | Material | Normal or carbonless paper | |
| | Width | 2.25"(57mm), 3"(76mm), 3.25"(82.5mm) | |
| | Diameter | Max. 3.35"(85mm) | |
| | Thickness | 0.003" to 0.004"(0.07mm to 0.10mm) -Single copy | |
| | Copies | Three ply-max. 0.008"(0.2mm) Each paper should be 0.002"(0.05mm) to 0.003"(0.08mm) in thickness | |
| Reliability | MCBF | 18 million lines (CRT) | |
| | Print head | 200 million characters | |
| Operating conditions | | 0°C to 50°C, 10% to 90% RH (w/o condensation) | |
| Storage conditions | | -20°C to 70°C, 5% to 95% RH (w/o condensation) | |
| Power supply | | AC 100, 120, 230, 240V | AC 100, 120, 220, 240V |
| Current consumption | | Max. 60W(Avg. 30W) in operation, 10W in idle | |

| | | |
|--------------------|---|---|
| Paper out detector | Mechanical switch | |
| Cash drawer driver | 2 circuits(24V, max. 1A), one compulsion input | |
| Data buffer | Approx. 1KB (selectable by DIP switch) | Approx. 4KB (selectable by DIP switch) |
| Interface | Serial(RS232C) or Parallel RS422A(option) 20mA current loop(option) | |
| RAM backup | N/A | Data buffer maintenance for approx. 10 hour (disabled by DIP switch) |
| Dimensions(mm) | SP317: 169(W)x330(D)x170(H) SP347: 169(W)x330(D)x176(H) | SP312: 169(W)x330(D)x170(H) SP342: 169(W)x330(D)x176(H) |
| Weight | SP317:Approx. 4.3kg SP347:Approx. 4.6kg | SP312:Approx. 4.3kg SP342:Approx. 4.6kg |