

# HSP 3000 Series

## Ultra High Speed - Heavy Duty Thermal Printers



### Specifications

### HSP3512-KS/EL

Printing method	Thermal
Number of dots	960
Resolution (dots/mm)	12
Printing width (mm)	80
Paper width (mm)	80 to 82.5
Max. paper thickness (µm)	63 and 190
Paper loading	Easy Loading
Printing speed (mm/s)	up to 200 (7.9 ips)
Paper detection	Opto sensor
Temperature detection	Thermistor
Cover-open detection	Mechanical switch
Voltage range (Logic   Head)	5 or 3.3V   24 V ± 10%
Dot resistance (Ohm)	800 ± 3 %
Energy per dot (mJ)	0.13
Weight (g)	450
Printing life/reliability	200 km/ 100M pulses
Cutter life	2M cuts
Operating temperature (°C)	-20 to +70 °C
Operating humidity (%)	10 to 90 (no condensation)
Dimensions (WxDxH mm)	125x82.5x35.7
Cutter speed (default mode)	220 µm in 550 ms
Cutter speed (high speed)	80 µm in 240 ms
Cutter detection	Mechanical switch
Black mark sensor position	Left or right
Printer version	Kiosk or Easy Loading*



\*3512-KS Kiosk version



\*3512-EL Easy Loading version



### Features

- Extra 50% resolution with total 12 dots/mm (comparing to HSP3208)
- Available for 86 mm paper width (HSP3512-86)
- Speed up to 200 mm/s
- 80 to 82.5 mm paper width
- Cuts up to 220 µm
- Cutter features 2 million life
- 200 km printing life
- Near end-of-paper sensor interface
- Barcode support
- Kiosk and Easy loading versions\*

### Applications

- ATM
- Data terminals
- Gaming and lottery
- Gas pumps
- Kiosks
- Parking meters
- Ticketing
- Vending machines
- ID automation

### Options

- Controller Board
- Label / black mark detection sensor
- Double Opto
- 300 dpi

\*\*under certain driving conditions & using recommended paper