

# HSP 2000 Series

## Ultra High Speed - Heavy Duty Thermal Printers



60 mm  
to 62.5 mm



ESC/POS™

### Options

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

### Applications

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

### Features

- 60 to 62.5 paper width
- Printing speed 250 mm/s (!)
- 12V operation voltage
- Cuts up to 220 µm
- Life: 200 km printing and 2 M cuts
- Compact design (95 x 74 x 30 mm)
- Full easy loading printer and cutter
- Full & Partial cuts

### Specifications

### HSP2128-KS/EL

Printing Method	Thermal
Number of dots	448
Resolution (dots/mm)	8
Printing width (mm)	56
Paper width (mm)	60 to 62.5
Max paper thickness (µ)	up to 220
Paper loading	Easy loading
Printing speed (mm/sec)	250
Paper detection	Opto sensor
Temperature detection	Thermistor
Cover open detection	Mechanical switch
Voltage range (logic   head)	5 or 3.3V ± 5%   12V typical, 16 V max.
Dot resistance (Ohm)	300 ± 3%
Energy per dot (mJ)	0.16
Weight (g)	250
Printing life/reliability	200km/100M pulses*
Cutter life	2M cuts
Operating temperature (°C)	-20 to +70 °C
Operating humidity (%)	10 to 90 non cond.
Dimension (WxDxH mm)	95x74x30
Cutter speed (default)	Full cut in 1.2s for 220 µm paper
Cutter speed (high speed)	Full cut in 0.6s for 100 µm paper
Cutter detection	Mechanical switch
Printer version	Kiosk or Easy Loading**
Black mark sensor	Left or right



\* HSP2128 Kiosk Version



\*HSP2128 Easy Loading Version

\*using recommended paper