HSP 2000 Series
Ultra High Speed - Heavy Duty Thermal Printers

ESC/POS™

60 mm
to 62.5 mm

Specifications — HSP2208-KS/EL

Specification	HSP2208-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 (µm)	Up to 220
Paper loading	Easy loading
Printing speed (mm/s)	250**
Paper detection	Opto sensor
Temperature detection	Thermistor
Cover open detection	Mechanical switch
Voltage range (logic | head)	5 or 3.3V ± 5% | 24V ± 10%
Dot resistance (Ohm)	650±3%
Energy per dot (mJ)	0.13
Weight (g)	250
Printing life/reliability	200 km/150M pulses**
Cutter life	2M cuts
Operating temperature (°C)	-20 to +70 °C
Operating humidity (%)	10 to 90 (no cond.)
Dimension (WxDxH mm)	95x74x30
Cutter speed (default mode)	Full cut in 1.2s for 220 µm paper
Cutter speed (high speed mode)	Full cut in 0.6s for 100 µm paper
Cutter detection	Mechanical switch
Black mark sensor position	Left or right
Printer version*	Kiosk or Easy Loading

*HSP2208 Kiosk Version

*HSP2208 Easy Loading Version

**under certain driving conditions & using recommended paper

Features

• 60 to 62.5 paper width

• Prints at 250 mm/sec (10 ips)

• Cuts up to 220 µm

• 200 km printing life

• 2 million cuts life

• Full easy loading printer and cutter

• Available with 12 V operating voltage (HSP2128)

• Near straight paper path for thick paper printing

• USB 2.0 and high-speed RS232

• ESC/POSTM compatible

• Ability to add external presenter and sensor control

Applications

• ATM

• Data terminals

• Gaming and lottery

• Gas pumps

• Kiosks

• Parking meters

• Ticketing

• Vending machines

Options

• Controller Board

• Label / black mark detection sensor

• 300 dpi

• Double Opto