



SNR-EP5809 58mm Embedded Thermal Panel Printer

Compact panel printer for instruments, retail devices, medical equipment and industrial control applications.

Overview

SNR-EP5809 is a compact 58mm embedded thermal panel printer designed for space-limited equipment that requires simple paper loading, reliable receipt output and host-controlled printing. It supports ESC/POS-compatible commands, multiple character sets, bitmap printing and common serial integration interfaces.



Key Features

- Large front door button for convenient paper access
- Simple operation and easy connection for embedded equipment
- Compatible with EPSON ESC/POS command set
- Integrated mounting-ear and printer body design for small spaces
- Multiple international code pages and font support
- Bitmap, curve and downloaded image printing support
- Serial, parallel and RS-485 interface options

Technical Specifications

Item	Specification	Item	Specification
Model	SNR-EP5809	Product Type	Embedded 58mm thermal panel printer
Print Method	Line thermal printing	Resolution	8 dots/mm, 203 DPI, 384 dots/line
Print Speed	30mm/s	Effective Print Width	48mm
Paper Width	57.5 +/-0.5mm	Paper Type	57.5mm thermal roll, OD 35mm max.
Paper Thickness	0.06-0.08mm	Paper Loading	Easy paper loading
Cutting Method	Manual tear	Custom Characters	Supported
Graphics Printing	Bitmap, curve, downloaded image	Control Codes	General ESC, FS and GS codes
Chinese Fonts	GB Level I/II: 24x24, 16x16	Western Fonts	ASCII: 12x24, 8x16, 9x17
Interface	Serial / Parallel / RS-485	Functions	Paper-out alarm, overheat protection, self-test
Power Supply	DC5V-8.5V, 3A; DC9V-24V, 3A	Panel Opening Size	103 x 57mm (W x H)
Embedded Depth	55mm	Overall Dimensions	110 x 64 x 58mm (W x H x D)
Net Weight	200g, excluding paper roll	Operating Environment	0-50 C, 10%-80% RH
Storage Environment	-20-60 C, 10%-90% RH	Reliability	MCBF: (5-15) x 10^6 lines
Print Head Life	50km		

Typical Applications

Medical instruments	Payment terminals	Retail service devices
Industrial control panels	Compact self-service kiosks	Embedded equipment

Integration Notes

- Confirm 58mm paper roll space and service access.
- Confirm Serial, Parallel or RS-485 host interface.
- Check power rail and current capacity before prototype build.
- Verify panel opening, 55mm embedded depth and paper outlet alignment.

Remarks: Specifications are based on the provided source datasheet and may be updated according to project configuration. Please confirm final interface, power, panel opening and installation requirements before mass production.

Why Choose This Model

- Compact panel structure fits space-limited embedded equipment.
- ESC/POS-compatible command operation simplifies host control.
- Multiple fonts and bitmap printing support flexible receipt layouts.
- Simple paper access helps routine service and maintenance.