

## GEN2™ (PSA-66-ST2)



**GEN2™**

**ITH™ (Intelligent Ticket Handling)** PATENT PENDING  
Ticket Available ONLY after Fully Printed Internally & Automatically Burst

**Large Paper Capacity**  
50% More Capacity than Competing Printers

**ProMatrix™ Technology** PATENT PENDING  
Promotional Matrix Couponing System

**PromoPort™ Architecture** PATENT PENDING  
Dedicated Promotional Printing Port

**ProColor™ Printing**  
Readily Available 2-Color Printing Technology

**Expanded Graphics Memory**  
Can Store 100 to 1000 Promotional Coupons with 1MB or 8MB Memory Options

**USB Communications**  
Future GSA Compliant

**TRT™ (Tamper Resistant Ticket)** PATENT PENDING  
Eliminates Counterfeit Tickets

**FlashPod™** PATENT PENDING  
Fast and Convenient Firmware Upgrades With an Easy-to-Use Download Tool

**Backward Compatible**  
With Existing PSA-66 Technology

**Hot Swappable**  
Printer Removal Without Powering Down

FutureLogic's second generation thermal printer, GEN2™ (PSA-66-ST2), builds on the exceptional success of the industry's first and most copied cashless ticket printer, the PSA-66-ST. While maintaining the robustness and reliability of its predecessor, GEN2 offers improvements such as ITH™ (Intelligent Ticket Handling), ProMatrix™, PromoPort™, ProColor™, FlashPod™, and TRT™ technologies.

The ITH technology alone sets the printer apart from competing thermal printers by making the "cashout ticket" available ONLY after the ticket is fully printed internally and automatically burst. GEN2 also offers new technological advances such as the introduction of their Promotional Matrix Couponing System, a dedicated promotional printing port, color printing capability, and the option to store up to 1000 coupon templates in an 8MB chip.

Other enhancements include the addition of a USB communication port (future GSA compliant) and a separate port for convenient firmware upgrades using a handheld download tool (FlashPod™) without the need to remove the printer from the slot machine.

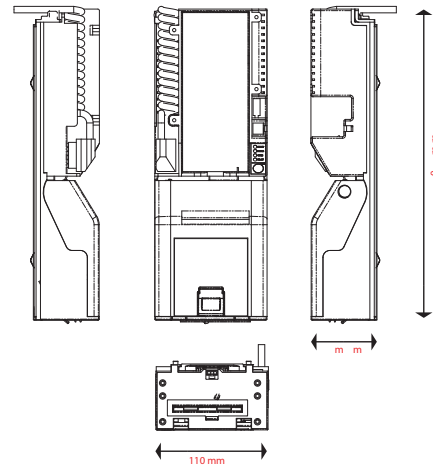
For a comprehensive list of features and technical specifications, please contact FutureLogic engineers at [info@futurelogic-inc.com](mailto:info@futurelogic-inc.com).

# TECHNICAL SPECIFICATIONS

## GEN2™ (PSA-66-ST2)

### GENERAL

Dimensions (WxDxH)	110mm x 304.8mm x 64.3mm
Weight	2.7 lbs.
Power Requirements	24Vdc @ 2.7A
Sensors	Paper Low, Paper Out, Printer Drawer Open, Ticket Taken, Ticket Jam, Ticket in Chute, Black Mark (Includes a Host Controllable Buzzer)
Printing Speed	90mm/Second (3.5"/Second)
Print and Present	2.2 Seconds
Printing Width	62mm (true near-edge printing)
Storage	300 Tickets
Ticket Tray Extenders	Interchangeable, 600, 900 Ticket Tray
Resolution	8 dots/mm (203 dpi)
Firmware	Application in Memory is Reprogrammable (via Flash BIOS)
Self Test	Yes
Page Mode	Full Page Mode Printing (Simultaneous 4 Orientation Printing: 0°, 90°, 180°, 270°) Line and Box Draw Printer Resident Bitmap Graphics Printer Resident (Stored in Flash) Graphics
Paper Loading	Automatic Hands Free
Paper Feed	Manual
Method	Direct Thermal, Top Coated, Fanfolded and Perforated
Width	66mm
Length	156mm
Thickness	4.5 mil, 1 Color/2 Colors
Bezel Control	Two High Current Ticket Printing Bezel Control Ports
User Interface	4 LED Indicators, Paper Advance Button
Upgrade Port	Allows for Printer Upgrades via FlashPod™ Download Tool
Hot Swappable	100%



### PROMOTIONAL PRINTING

Template Capacity	100 Coupons (1MB); 1000 Coupons (8MB)
Graphic Storage	768k
Color Printing	Red on Black and Blue on Black are available. Other colors can be supported as the print media becomes available. Color selection is controlled through the TCL language.

### CHARACTERISTICS

Printer Languages	TCL Printer Language (Page Description Language) Subset of ESCP2
Fonts	4 (5.5 cpi, 7.5 cpi, 10 cpi, 20 cpi)
Font Scalability	May Be Independently Scaled from 1x – 7x in Both Height and Width
Bar codes	Interleaved 2 of 5, Code 39, UPC-A, UPC-E, UPC-E+2, UPC-E+5, Codabar, EAN-13, EAN-8, Code 128, MSI
Memory	1MB or 8MB Flash with 128K RAM

### INTERFACE

Communications	Bi-directional RS232C, Full Handshaking Set Netplex USB (Future GSA Compliant) with separate USB download port A second serial port is available in RS232C and other three- and four-wire interfaces
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### ENVIRONMENTAL

Operating temperature	0°C to 70°C
Storage temperature	-20°C to 85°C
Operating humidity	5 to 95% RH

### RELIABILITY

Maintenance	No User Maintenance Required Printer Completely Removable with Quick Release Bar
Print Head Life	50km Min. (320,000 Tickets Based on US Currency Size)
Certifications	CE Certified



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