

Universal Communications

3 Ports to Support All Game Types

- USB 2.0 Full Speed (Future GSA Compliant, IGT Compliant)
- RS232 Port (Backward Compatible)
- NetPlex Port (Backward Compatible)

ITH™ (Intelligent Ticket Handling) PATENT pending

Makes Ticket Available ONLY after Fully Printed Internally & Automatically Burst

Large Paper Capacity

50% More Capacity Saves \$200/Printer Annually

IntelligentBezel™ System

Paper Jam Reduction via Blocked Bezel Detection

Award-Winning Printer

Most Decorated Printer in Gaming

Superior Electro-Mechanical Design

High Reliability and Easy Maintenance

ProColor™ Printing

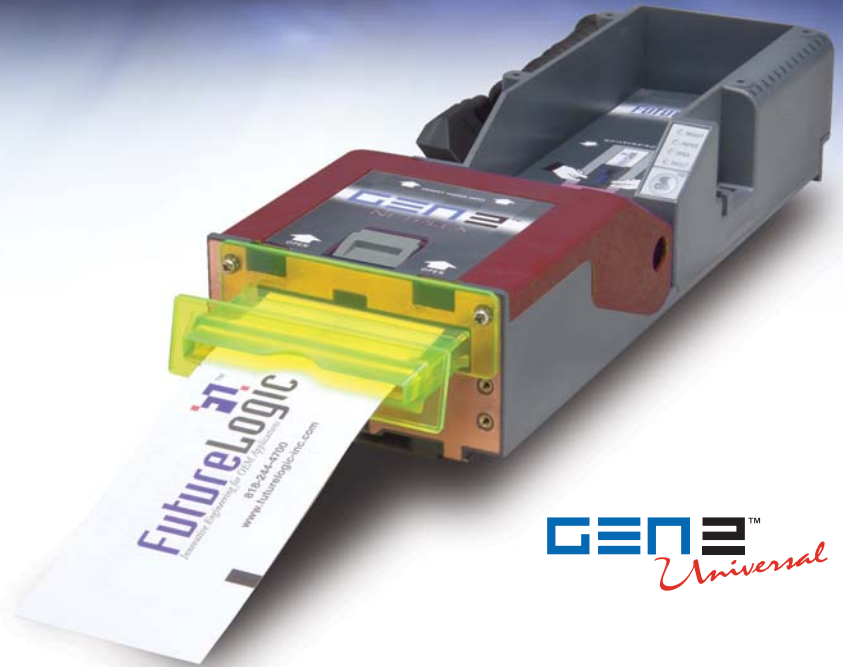
Readily Available 2-Color Printing Technology

Expanded Graphics Memory

Stores Hundreds of Clip Art Objects and Thousands of Graphic Templates

Hot Swappable

Printer Removal Without Powering Down



GEN2™
Universal

The GEN2™ Universal family of printers build on the technology that has made FutureLogic the leading manufacturer of TITO ticket printers for cashless gaming. Developed with design feedback from global gaming OEMs and casinos, GEN2 Universal printers are compatible with existing gaming platforms (RS232 and NetPlex) as well as the next generation of USB games.

The GEN2 Universal printers anticipate new GSA standards for downloadable games, are IGT compliant and permit in-game firmware updates via the USB communications port. In addition to the interoperability and ease of integration required for the next generation of electronic games, GEN2 Universal printers offer compatibility with existing games on your floor, allowing you to specify a single printer for your entire property.

FutureLogic

General

Dimensions (WxDxH)	110 x 304.8 x 64.3 mm
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 Handheld Download Tool
Hot Swappable	100%

Printing Resources

Template Capacity	8Mb; Stores hundreds of clip art objects & thousands of graphic templates
Graphic Storage	6Mb
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	8 (2.5 cpi, 3.3 cpi, 4.0 cpi, 5.5 cpi, 5.6 cpi, 7.3 cpi, 10.1 cpi, 20.5 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	2MB with 512K RAM

Interface

Communications	USB 2.0 game interface (full speed of 12Mbps) with separate USB Download Port, Future GSA Compliant, Compliant with IGT Gaming Machines A Traditional Game Communication Port (RS232C* or Netplex*)
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Environmental

Operating temperature	0°C to 65°C
Storage temperature	-20°C to 75°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	ISO 9001, CE Certified, RoHS

This document describes product functions and technology that may not be available in a particular gaming jurisdiction, and would therefore not be available for sale and not approved for use at this time. Please contact your local sales representative for information concerning what features are available in your jurisdiction.

Recognized by Experts



2003: Casino Journal
GEN2 is selected as Casino Journal's "Top 20 Most Innovative New Gaming Products 2003"



2004: Casino Journal
GEN2 wins **1st Place** in the voting for Casino Journal's "Top 20 Most Innovative New Gaming Products 2004"



2004: Casino Journal
GEN2 is selected as Casino Journal's "Top 20 Most Innovative New Gaming Products 2004"



2001-2007: IGT
IGT Awards Default Status to FutureLogic's GEN2 Printer again in 2007 for all new TITO Slot Machines and Video Games.



2006: Global Gaming Business
GEN2 Universal earns Honorable Mention in Best Productivity Enhancement Technology category.



2006: IGWB
GEN2 is honored with "Top 20 International Gaming Products" award for 2006.

Certified by the Industry



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