



Universal Communications

- 3 Ports to Support All Games
 - USB 2.0 Full Speed (Future GSA Compliant, IGT Compliant)
 - RS232 Port (Backward Compatible)
 - NetPlex Port (Backward Compatible)

ITH® (Intelligent Ticket Handling)

- Makes Ticket Available ONLY after Fully Printed Internally & Automatically Burst

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

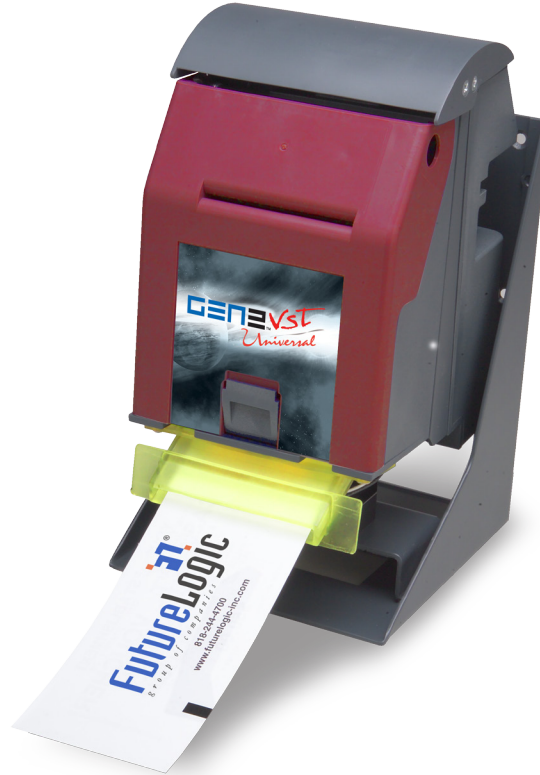
- Readily Available 2-Color Printing Technology

Expanded Graphics Memory

- Stores Hundreds of Clip Art Objects and Thousands of Graphic Templates

Hot Swappable

- Printer Removal Without Powering Down



The vertical configuration of the GEN2 VST Universal™ TITO printer is designed for space-saving slim-top gaming machines. Developed with design feedback from global gaming OEMs and casinos, GEN2 VST Universal printers are compatible with existing gaming platforms (RS232 and NetPlex) as well as the next generation of USB games.

The GEN2 VST 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, the GEN2 VST Universal printers offer compatibility with existing games on your floor, allowing you to specify a single printer for your entire property.

GEN2 VST Universal™

Technical Specifications

General

Dimensions (WxDxH)	130mm x 159mm x 229mm
Weight	5 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	200 Tickets
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	Manual
Paper Feed	Automatic
Media	Direct Thermal, Top Coated, Fanfolded and Perforated
Paper Specification	66mm W x 156mm L 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 USB Download Port or RS232C Main port
Hot Swappable	100%

Printing Resources

Template Capacity	4Mb; Stores Hundreds of Clip Art Objects & Thousands of Graphic Templates
Graphic Storage	4Mb
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	PDF-417, 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 GSA GDS, IGT USB and traditional communication protocols RS232C and Netplex
-----------------------	---

Environmental

Operating Temperature	0°C to 65°C
Storage Temperature	-20°C to 75°C
Operating Humidity	5 to 85% RH non-condensing

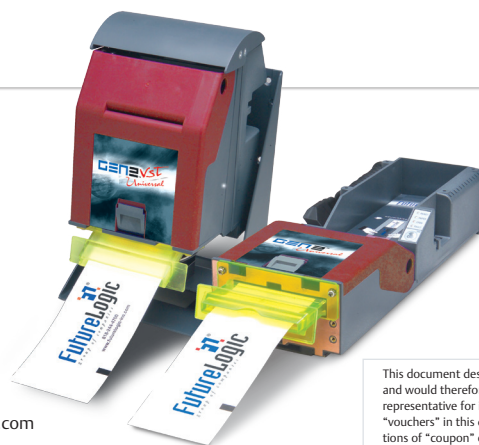
Reliability

Maintenance	Annual Print Head Cleaning Required
Print Head Life	100km Mini. (656,000 Tickets Based on US Currency Size)
Certifications	ISO 9001, CE Certified, RoHS, UL



Contact Information:

Slot Technicians: slottechsupport@futurelogic-inc.com
 General Information: info@futurelogic-inc.com
 Website: www.futurelogic-inc.com



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. All mentions of "voucher" or "vouchers" in this document refer to "Slot Machine Payout Receipt" or "Slot Machine Wagering Voucher" and all mentions of "coupon" or "coupons" in this document refer to "Slot Machine Coupon" according to *Technical Standards for Gaming and Online Slot Machines (Rev 03/06)*.

FutureLogic, Inc.
 425 E. Colorado Street, Suite 100
 Glendale, CA 91205
 United States of America
 Tel: 818.244.4700
 Fax: 818.244.4764

FutureLogic Europe
 Unit 6, Cordwallis Industrial Estate
 Clivemont Road, Maidenhead, SL6 7BU
 United Kingdom
 Tel: +44.1628 760.080
 Fax: +44.1628.760.089

FutureLogic Asia
 Avenida Da Praia Grande, No. 369-371
 Edificio Keng Ou, 20 andar A
 Macau
 tel: +853.2838.9702
 fax: +853.2838.9701

FutureLogic Australia
 Suite 2201, Level 22, Westfield Tower 2
 Bondi Junction, NSW 2202
 Australia
 tel: +61.1300.643.683
 fax: +61.1300.362.743