



### 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

### Large Paper Capacity

- 50% More Standard Ticket 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

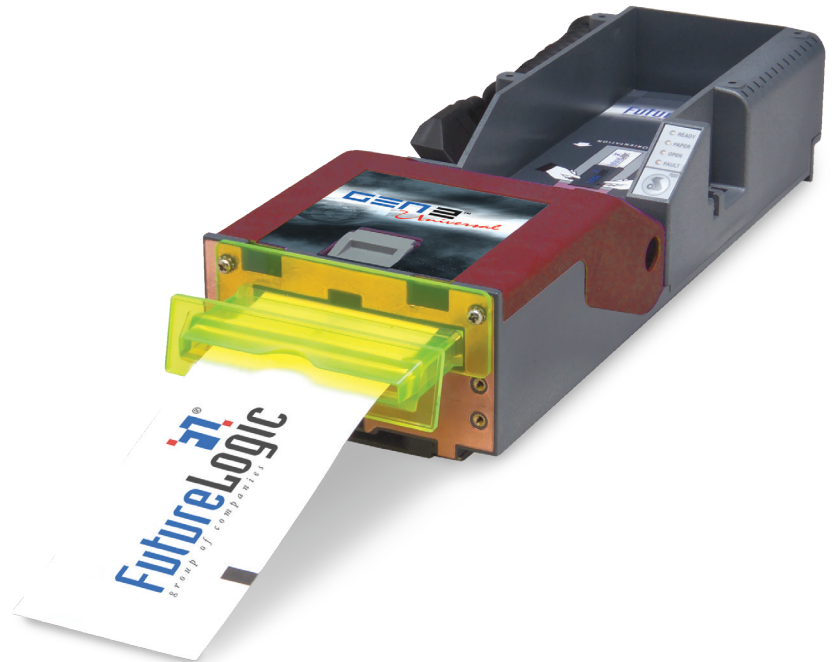
- Readily Available 2-Color Printing Technology

### Expanded Graphics Memory

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

### Hot Swappable

- Printer Removal Without Powering Down



The GEN2 Universal™ family of printers builds 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, the GEN2 Universal printers are compatible with existing gaming platforms (RS232 and NetPlex) as well as the next generation of downloadable, server-based and 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, the GEN2 Universal

printers offer compatibility with existing games on your floor, allowing you to specify a single printer for your entire property. And when combined with a proven track record of reliability, over one million (1,000,000) FutureLogic printers are helping operators maximize playtime and reduce operational costs worldwide.

| General                      |  | Printing Resources           |   |
|------------------------------|--|------------------------------|---|
| <b>Dimensions (WxDxH)</b>    | 110mm x 304.8mm x 64.3mm   | <b>Template Capacity</b>     | 4Mb; Stores Hundreds of Clip Art Objects & Thousands of Graphic Templates   |
| <b>Weight</b>                | 2.7 lbs.   | <b>Graphic Storage</b>       | 4Mb   |
| <b>Power Requirements</b>    | 24Vdc @ 2.7A   | <b>Color Printing</b>        | 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.                      |
| <b>Sensors</b>               | Paper Low, Paper Out, Printer Drawer Open, Ticket Taken, Ticket Jam, Ticket in Chute, Black Mark (Includes a Host Controllable Buzzer)   | <b>Characteristics</b>       |   |
| <b>Printing Speed</b>        | 90mm/Second (3.5"/Second)  | <b>Printer Languages</b>     | TCL Printer Language (Page Description Language) Subset of ESCP2  |
| <b>Print and Present</b>     | 2.2 Seconds  | <b>Fonts</b>                 | 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)  |
| <b>Printing Width</b>        | 62mm (true near-edge printing)   | <b>Font Scalability</b>      | May Be Independently Scaled from 1x – 7x in Both Height and Width   |
| <b>Storage</b>               | 300 Tickets  | <b>Bar codes</b>             | 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   |
| <b>Ticket Tray Extenders</b> | Interchangeable, 600, 900 Ticket Tray  | <b>Memory</b>                | 2MB with 512K RAM   |
| <b>Resolution</b>            | 8 dots/mm (203 dpi)  | <b>Interface</b>             |   |
| <b>Firmware</b>              | Application in Memory is Reprogrammable (via Flash BIOS)   | <b>Communications</b>        | 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 |
| <b>Self Test</b>             | Yes  | <b>Environmental</b>         |   |
| <b>Page Mode</b>             | 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 | <b>Operating Temperature</b> | 0°C to 65°C   |
| <b>Paper Loading</b>         | Manual   | <b>Storage Temperature</b>   | -20°C to 75°C   |
| <b>Paper Feed</b>            | Automatic  | <b>Operating Humidity</b>    | 5 to 85% RH non-condensing  |
| <b>Media</b>                 | Direct Thermal, Top Coated, Fanfolded and Perforated   | <b>Reliability</b>           |   |
| <b>Paper Specification</b>   | 66mm W x 156mm L<br>4.5 mil, 1 Color/2 Colors  | <b>Maintenance</b>           | Annual Print Head Cleaning Required   |
| <b>Bezel Control</b>         | Two High Current Ticket Printing Bezel Control Ports   | <b>Print Head Life</b>       | 100km Min. (656,000 Tickets Based on US Currency Size)  |
| <b>User Interface</b>        | 4 LED Indicators, Paper Advance Button   | <b>Certifications</b>        | ISO 9001, CE Certified, RoHS, UL  |
| <b>Upgrade Port</b>          | Allows for Printer Upgrades via USB Download Port or RS232C Main port  |                              |   |
| <b>Hot Swappable</b>         | 100%   |                              |   |



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