

# High-End EGM (Slots)

High-end slot manufacturers face a unique collection of operational challenges: delivering flawless 4K graphics across multiple displays, ensuring instant player responsiveness, integrating regulated I/O and security features, and maintaining rock-solid uptime in cabinets that run continuously for years. Balancing premium visual performance with long-term hardware reliability and availability is essential — and requires platforms engineered specifically for demanding gaming environments and supported by a supplier who understand embedded computing.

## Key Challenges

- Driving multiple high-resolution displays (4K and beyond)
- Sustaining high performance for real-time graphics and complex game logic
- Supporting comprehensive gaming I/O (ccTalk, meters, SAS and other secure interfaces)
- Meeting regulatory requirements for slot machines in various global markets
- Managing thermal demands in compact, closed cabinets
- Ensuring long-term product availability and stable driver support
- Maintaining 24/7 reliability in casino environments

## Recommended DPX Platforms

- DPX-S460 – High-performance integrated graphics with gaming I/O
- DPX-S455 – Flagship processing performance with discrete GPU options
- DPX-M280 – Modular high-performance motherboard for flexible cabinet design

## Why DPX Works Here

S-Series platforms deliver exceptional graphical and computational performance while integrating all the I/O and security features required for regulated gaming. The M-Series supports the same level of performance but allows cabinet designers more flexibility through a modular design supporting customised I/O solutions or integration of the customer’s own gaming sub-system. Both lines provide long-term availability and robust thermal engineering.

## Customer Value

Manufacturers can create visually stunning, highly responsive gaming machines that offer premium experiences with dependable, long-life platforms designed precisely for high-end casino environments.



# Amusement & Low-End Slots

Across the amusement sector, the trend is toward compact, affordable, high-uptime machines that offer strong entertainment value without the performance heavy demands of casino gaming. Manufacturers are increasingly looking for hardware platforms that combine cost-effectiveness, dependable graphics, straightforward integration, and long-term reliability and availability

## Key Challenges

- Meeting cost targets for price-sensitive amusement markets
- Delivering smooth HD graphics for casual and redemption games
- Supporting simple I/O for coin mechanisms, ticket dispensers, bill validators, lights, and sensors
- Reducing servicing needs and minimising downtime
- Running reliably in busy family entertainment centres
- Achieving long deployment lifecycles without frequent redesigns

## Recommended DPX Platforms

- DPX-S451 Cost effective full featured gaming platform to meet international regulatory standards
- DPX-E145 – Enhanced graphics for more visually dynamic amusement games. Fanless (passive) cooling technology
- DPX-J100 / J100S1 – Ideal for low-power, basic amusement controllers. Established industry standard JAMMA harness interface

## Why DPX Works Here

E-Series and low-end S-Series products provide a balance of affordability and capability, offering responsive integrated graphics and dependable gaming I/O. The J-Series delivers ultra-low-power operation for simple amusement cabinets requiring basic gameplay performance.

## Customer Value

Manufacturers can produce cost-optimised, reliable machines that provide consistent performance over years of usage, while maintaining stable supply and minimising total cost of ownership.



# Sports Betting

Modern sports betting terminals rely on responsive, high-performance technology. Real-time odds updates, secure payment processing, dynamic promotional content, and multi-display interfaces all demand a platform capable of sustained, stable operation, especially during peak sporting events/sessions.

## Key Challenges

- Processing and displaying dynamic odds and real-time data
- Supporting high-quality graphics for advertising and UI
- Integrating secure payment and loyalty peripherals
- Ensuring stable network connectivity
- Delivering smooth UI performance even during high-traffic events
- Guaranteeing long-term platform availability across large deployments

## Recommended DPX Platforms

- DPX-M280 – Ideal for multi-display, high-performance betting terminals
- DPX-E145 – Excellent graphics performance for dynamic UIs. Fanless (passive) cooling technology
- DPX-M266 – Cost effective, scalable embedded platform for high-volume environments

## Why DPX Works Here

The M-Series provides the scalability and computational capacity required for high-end betting kiosks with the ability to tailor I/O to the specific set of targeted peripheral interfaces. The E-Series supports rich, fast-loading UIs at a lower cost with the reliability of fanless cooling where required.

## Customer Value

Operators can deploy fast, reliable, visually engaging betting systems that remain responsive during high-load conditions, enhancing the bettor experience and improving operational reliability.



\*=TX/RX Only

# Lottery

Lottery players expect terminals that are quick, intuitive, and easy to use. Smooth touchscreen interaction, clear information, rapid ticket validation, and seamless payment integration all shape the end-user experience. To deliver that consistently, the hardware platform must be responsive, reliable, and deeply integrated with retail peripherals.

## Key Challenges

- Supporting responsive, intuitive touchscreen UIs
- Integrating peripherals: scanners, ticket printers, cashless payment, barcode readers
- Handling long duty cycles in busy retail environments
- Ensuring tamper detection, secure boot, and data integrity
- Supporting dual-screen or promotional content capabilities
- Maintaining uptime across large geographic deployments (remote manageability)

## Recommended DPX Platforms

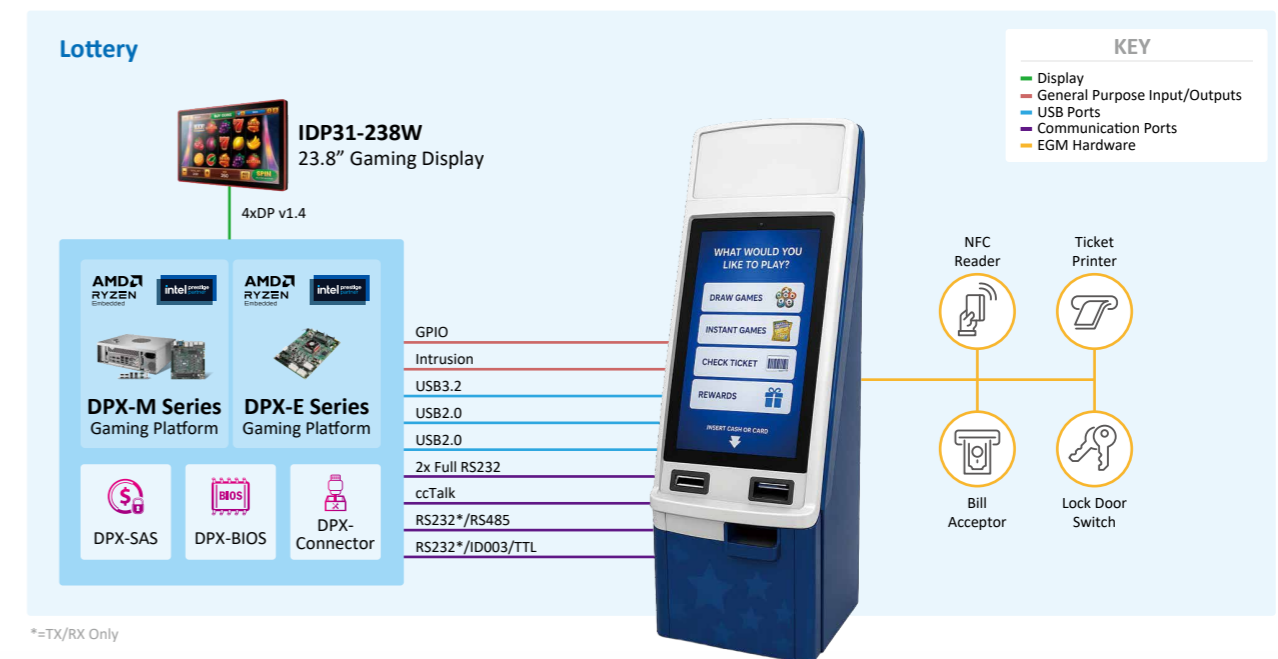
- DPX-E145 – Strong graphics for smooth UIs and two-screen setups
- DPX-E140 – Efficient, cost-effective solution for widespread kiosk rollouts
- DPX-M275 / M270 – Modular options for scalable kiosk architectures
- ODM – leverage Advantech's huge design portfolio for a custom CPU board design specifically for the lottery terminal

## Why DPX Works Here

E-Series platforms deliver the smooth graphics performance required for interactive kiosk interfaces, alongside gaming-specific I/O and long lifecycle guarantees. M-Series boards offer flexibility for kiosk manufacturers who need modularity or unique enclosure layouts. ODM or custom motherboards optimise performance and form factor as well as optimising features such as security, I/O, remote manageability and field serviceability for the specific product.

## Customer Value

Lottery operators can provide fast, user-friendly, highly reliable kiosks that elevate the player experience while lowering operational overhead and supporting long-term national deployments.



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