QUIXANT

IQ CONNECT1™

Big on performance.
Big on value.

Unleash your creativity with the IQ Connect 1

Building upon the compact design, exceptional performance, and comprehensive security features of the IQ 2, the IQ Connect 1 introduces a highly flexible JAMMA expansion capability tailored to meet the demands of the North American route/distributed gaming markets, and markets that require a JAMMA connector.

Catering to a variety of JAMMA requirements and diverse application scenarios, the versatile IQ Connect 1 seamlessly integrates into your cabinet or kiosk. With an Intel Atom® x7000 Series Processor, the passively cooled all-in-one platform allows you to benefit from increased power and functionality at an accessible price point. Ensure regulatory compliance, improve frames per second and make your player experience even more immersive, and do so cost effectively with the IQ Connect 1.

Market-leading powerful and cost-effective hardware platform

The IQ Connect 1 is one of the most powerful competitively priced, specialist hardware platforms on the market and is suited to those looking to deliver even more performance at an accessible price point. With integrated Intel® UHD graphics, an integrated LED strip interface and driving up to three displays, you have everything you need to deliver an enhanced customer experience.

Advanced JAMMA capabilities

The IQ Connect 1 is a highly adaptable JAMMA interface board, featuring multiple pinouts to accommodate a diverse range of harnesses using the JAMMA standard connector. Engineered for versatility, it supports various input and output configurations, making it compatible with a broad spectrum of electronic gaming machines (EGMs) and systems. Its design facilitates seamless switching between different pin layouts, eliminating the need for extra harnessing and cabling, thereby ensuring straightforward integration with various JAMMA-compatible hardware.

Powerful CPU and graphics processing

With an Intel Atom® x7000 Series Processor, and passively cooled, the IQ Connect 1 has fast memory access, delivering enhanced CPU performance compared to previous IQ products.

Ensures regulatory compliance across markets

A compliant solution that meets the requirements of all major global gaming jurisdictions, so you can focus on enhancing the customer experience, without worrying about regulatory requirements.

10 year lifetime

Confidence in a reliable solution that will be supported and delivered for ten+ years, so you do not have to worry about replacing hardware and can focus on content, and bringing your cabinet, kiosk or terminal to market in record time.

Processing unit

- Intel Atom® processors x7000 Series
- Core frequencies 3.4GHz with Intel® Turbo Boost
- Fast memory access and CPU performance

Integrated GPU

- Integrated Intel® UHD graphics
- Drives up to three displays, including 2 x 4K Ultra HD and 1 x FHD
- Support for DisplayPort 1.4
- Accelerated hardware video decoder

Main memory

- 1 x DDR4, 3200MT/s SODIMM socket
- Up to 16GB main memory – default 4GB

LAN / USB

- 2 x 1Gb Ethernet
- 2 x USB 3.2 GEN2 (external)
- 6 x USB 2.0 connecter (external)
- 2 x USB 2.0 connector (internal)

Storage

- 1 x CFast 2.0 socket
- 1 x SATA 3 socket
- 1 x M.2 NVMe PCIe Gen3 by 2
- 128Kbits of user EEPROM storage

Serial interfaces

- 6 x serial ports
  - 2 x RS232 fully populated
  - 2 x RS232 Tx/Rx
  - Up to 4 x SAS interfaces
  - Up to 1 x ccTalk (in the JAMMA interface)
- 1 x SPI header (in the JAMMA interface)
- 1 x iButton interface (in the JAMMA interface)

JAMMA interfaces

- Default 72+20 JAMMA connector, with options for different JAMMA formats
- Digital inputs, outputs, intrusion inputs, ccTalk, SPI
- Allows for easy customization, with different pin assignment options

Audio

- Integrated HD audio controller 7.1 audio channels
- 2 x stereo 9W/ channel 8-Ohm digital amplified outputs

System features

Essential
GPIO
- Up to 25 digital inputs
  - Efficient and responsive handling of digital inputs
  - Hardware support to eliminate bouncing of input lines
- Up to 27 digital outputs

Intrusion Management
- 16 x monitored intrusions
  - Including 5 x external intrusion
  - Active handling and monitoring of write protect signals for CFAST, M.2, EEPROM and system Configuration ROM

Enhanced
NVRAM
- Fast 64 bit PCI Express® interface
- Up to 4MB of NVRAM – two independent physical banks
- Battery backed SRAM
- Hardware accelerated memory bank mirroring, copying, verification and CRC
- Five year battery life

QSys and QSensor
- Temperature and voltages monitoring
- Automatic battery health check

Illuminate
- Dedicated connector for LED strip interface
  - Up to 4 x LED strip interfaces, up to 500 LED per channel, up to 60 FPS
  - Drives 1-wire and 2-wires LED strip
  - Wide range of LED strips supported
- 27 x PWM outputs

Authenticate
- TPM 2.0 (option)
- Unique electronic serial number
- 2kb secure EEPROM with SHA-3 engine (optional)

Protect
- Metal case with keylock

Power requirement

- 12V single voltage input

The ultimate hardware platforms. Integrated software on board.

Unleash your creativity and develop with confidence on Quixant's market-leading hardware platforms. They come with our Software Suite solutions as standard, created to optimize game and sports betting content development and delivery, allowing you to spend your time on content development so you can get ahead of the game.

Explore how partnering with Quixant will enable you to focus your development efforts on enhancing the customer experience and to launch world-class products in record time.