QUIXANT

IQON²™

Elite performance.
Endless possibilities.

IQON²™

Unleash your creativity with the IQON 2

Expanding the possibilities of our existing IQON range, the IQON 2 supplements the range with a powerful Intel® based product. With even more features and benefits inside the IQON 2, this elite solution is the ideal platform to develop and deliver ever more immersive game content and exceptional sports betting experiences in record time.

Easy to integrate into your cabinet or kiosk with a number of mounting options, the fanless all-in-one hardware platform will allow you to increase the performance of your products, enhancing the customer experience, whilst ensuring regulatory compliance.

Like all of Quixant's reliable and powerful hardware platforms, the Intel® based IQON 2 comes with our effective integrated Software Suite solutions as standard, with Essential and Enhanced features. Designed with the requirements of the gaming and sports betting industries in mind, they have been created so you can benefit from these onboard, specialist software solutions, and spend your time optimizing content that keeps your customers engaged and entertained for longer, leading them to return again and again.

A powerful and versatile all-in-one platform able to manage a wide range of game and sports betting requirements
Delivering up to twice the performance of the existing IQON range of products. Integrating advanced I/O, NVRAM and includes our market-leading Software Suite solutions, which have been developed to enhance the gaming and sports betting experience.

12th Generation Intel® Processors and unrivalled CPU and graphics power
Enabling you to deliver more high resolution content and an enhanced customer experience.

Efficient fanless design
A physically compact platform which prevents dust accumulation, reducing the need for maintenance.

Ensures regulatory compliance across markets
A compliant solution that meets the requirements of all major global gaming jurisdictions, including GLI-11, so you can focus on enhancing the customer experience, without the worry of regulatory compliance.

10 year lifetime
Confidence in a reliable and powerful solution that will be supported and delivered for ten+ years, so you do not have to worry about hardware and can focus on developing the best content and bringing your exceptional cabinet or kiosk to market in record time.

IQON²™

Processing unit
- 12th Generation Intel® Core™ i3 and i5 processors
- 4.5GHz clock frequency with Intel® Turbo Boost
- Fast memory access and CPU performance

Integrated GPU
- Integrated Intel® Iris® Xe graphic processor
- Drives up to four 4K Ultra HD displays
- Support for DisplayPort 1.4
- Accelerated hardware video decoder

Main memory
- 2 x DDR4, 3200MT/s SODIMM sockets
- Up to 64GB main memory

LAN / USB
- 2 x PCI Express® Gigabit LAN interfaces
- 4 x external USB 3.2 ports
- 2 x USB 2.0 vertical Type "A" internal
- 4 x USB 2.0 pin header (internal)

Storage
- 2 x CFast 2.0 sockets
- 2 x SATA3 sockets
- 1 x M.2 sockets NVMe Gen4x4
- 2Kbits of user EEPROM storage (optional up to 128Kb)

Audio
- Integrated HD audio controller 7.1 audio channels
- 2 x stereo 22W/ channel 8-Ohm digital amplified outputs

Serial communication
- 6 x serial ports
  - 2 x RS232 full
  - 2 x RS232 Tx/Rx
  - Up to 4 x SAS interfaces
  - Up to 1 x JCM ID003
  - Up to 2 x ccTalk
  - Up to 1 x RS485
- 1 x SPI header for clock serial peripherals (e.g. SEC meter)
- 1 x I2C interface
- Up to 2 x iButton interfaces

System features

Essential
GPIO
- Up to 32 digital inputs
  - Efficient and responsive handling of digital inputs
  - Hardware support to eliminate bouncing of input lines
- Up to 32 digital outputs
  - Presence detection of electromechanical meters

Intrusion Management
- 13 x monitored intrusions

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

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

Illuminate
- 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.
- Up to 9 x PWM output for brightness control

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

Protect
- Metal case with keylock
- Active handling and monitoring of write protect signals
- Embedded HW AES256 engine with secure keys management

Power requirement
- Operating voltage: 12V

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, with Essential and Enhanced features. Designed with the requirements of the gaming and sports betting industries in mind, they have been created so you can benefit from these onboard, specialist software solutions, and spend your time optimizing content that keeps your customers engaged and entertained for longer, leading them to return again and again.

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