

QUIXANT

iQON<sup>1</sup><sup>™</sup>

Elite performance.  
Endless possibilities.



[www.quixant.com](http://www.quixant.com)



## Unleash your creativity with the IQON 1

The IQON 1 is a versatile and powerful all-in-one platform able to manage a wide range of game complexities. The fanless model comes with advanced I/O capabilities, allowing you to enhance the performance of your products. Like all Quixant platforms, it includes our market-leading Software Suite solutions, which have been developed to enhance content performance and the customer experience.

### **A powerful and versatile all-in-one platform able to manage a wide range of game and sports betting requirements**

Integrating advanced I/O, NVRAM and includes our market-leading Software suite features, which have been developed to enhance the gaming and sports betting experience.

### **Efficient fanless design**

A physically compact platform which prevents dust accumulation and therefore reduces the need for maintenance.

### **Unrivalled CPU and graphics processing power**

Enabling you to deliver higher resolution content and a better customer experience.

### **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.

### **5-year supply lifetime**

Confidence in a reliable and powerful solution that will be supported and delivered for five+ years, so you don't 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.



### Processing unit

- AMD Ryzen™ embedded V1000 series
- Option for V1605B
- Quad 64bit Zen Cores
- Supports frequencies up to 3.8GHz with boost

### Integrated GPU

- Integrated AMD Radeon™ Vega 8 graphics
- Drives up to four 4K Ultra HD monitors from the APU with support for DisplayPort 1.4
- Hardware accelerated 4K video encoder/decoder

### Main memory

- 2 x DDR4, 2400 SODIMM sockets
- Up to 32GB main memory

### LAN / USB

- 2 x PCI Express® Gigabit LAN interfaces
- 4 x external USB ports (2 x USB 3.1, 2 x USB 2.0)
- 2 x USB 2.0 pin header inside the case

### Storage

- 2 x CFast sockets up to 6GB/s
- 2 x SATA3 sockets up to 6Gb/s (SATA DOM, SSD, HDD)
- 2Kbits of user EEPROM storage (optional up to 128Kb)

### Audio

- Integrated HD audio controller 7.1 audio channels
- 2 x stereo 18W/ channel 4-Ohm digital amplified outputs

### Power requirement

- Operating voltage: 12V

### Serial interfaces

- 6 x serial ports
  - 2 x RS232 full
  - 2 x RS232 Tx/Rx
  - SAS hardware support
  - 1 x JCM ID003 (optional)
  - Up to 2 x ccTalk
  - 1 x RS485 (optional)
- 1 x SPI header for clock serial peripherals (e.g. SEC meter) or LED strips
- 1 x I2C interface
- 2 x iButton interface

### System features

#### Essential

##### GPIO

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

#### 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
- 5-year battery life

##### QSys and QSensor

- Temperature and voltages monitoring
- Automatic battery health check

##### Illuminate

- 2 x LED strip interfaces

##### Authenticate

- TPM 2.0 (option)
- Unique electronic serial number
- 2Kb Secure EEPROM with SHA-3 authentication

##### Protect

- Metal case with keylock and security seal
- 16 x monitored intrusions including jumpers' supervision

# 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 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.