IQ1™

Unleash your creativity with the IQ 1

Quixant's IQ 1 hardware platform is suited to game developers looking to satisfy a range of standard game requirements. Designed with the demands of the market in mind, this efficient, cost-effective, fanless platform delivers great performance and value.

It comes with our range of market-leading, content optimizing Software Suite solutions as standard, making it the perfect platform to build incredible content on and deliver extraordinary gaming experiences.

A reliable, cost-effective hardware platform
This powerful and competitively priced all-in-one hardware platform satisfies a range of standard performance requirements. It comes with a suite of software solutions as standard to optimize the performance of your platform, so your time is freed up to focus on content, enabling you to launch your cabinets, kiosks or terminals to the market in record time.

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

Powerful CPU and graphics processing
Delivering high resolution content and enabling smooth and impactful game play.

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 worrying about regulatory requirements.

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

Processing unit
- AMD Ryzen™ embedded R1000 series
- Core frequencies 2.6GHz with boost

Integrated GPU
- Integrated AMD Radeon™ Vega 3 graphics
- Up to two independent HD displays or one 4K display
- Hardware accelerated HD video encoder/decoder

Main memory
- 1 x DDR4, 2400 SODIMM sockets
- Up to 16GB main memory

LAN / USB
- 2 x PCI Express® Gigabit LAN interfaces
- 8 x USB ports (4 x USB 3.1, 4 x USB 2.0)

Storage
- 1 x CFast 2.0 socket
- 1 x SATA 3 socket
- 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

Serial interfaces
- 6 x COM ports
  - 2 x RS232 full
  - 2 x RS232 Tx/Rx
  - Up to 4 x SAS interfaces
  - 1 x JCM ID003 (optional)
  - Up to 2 x ccTalk
- 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
- Up to 16 digital inputs
  - Efficient and responsive handling of digital inputs
  - Hardware support to eliminate bouncing of input lines
- Up to 16 digital outputs
  - Presence detection of electromechanical meters

Intrusion Management
- 16 x monitored intrusions including jumpers' supervision

Enhanced
NVRAM
- Fast 64 bit PCI Express® interface
- 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
- Up to 2 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.

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

Protect
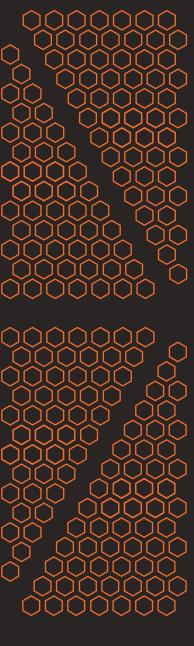- Metal case with keylock and security seal

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.