

Quixant

Unleash your gaming dominance

QMAX LITE

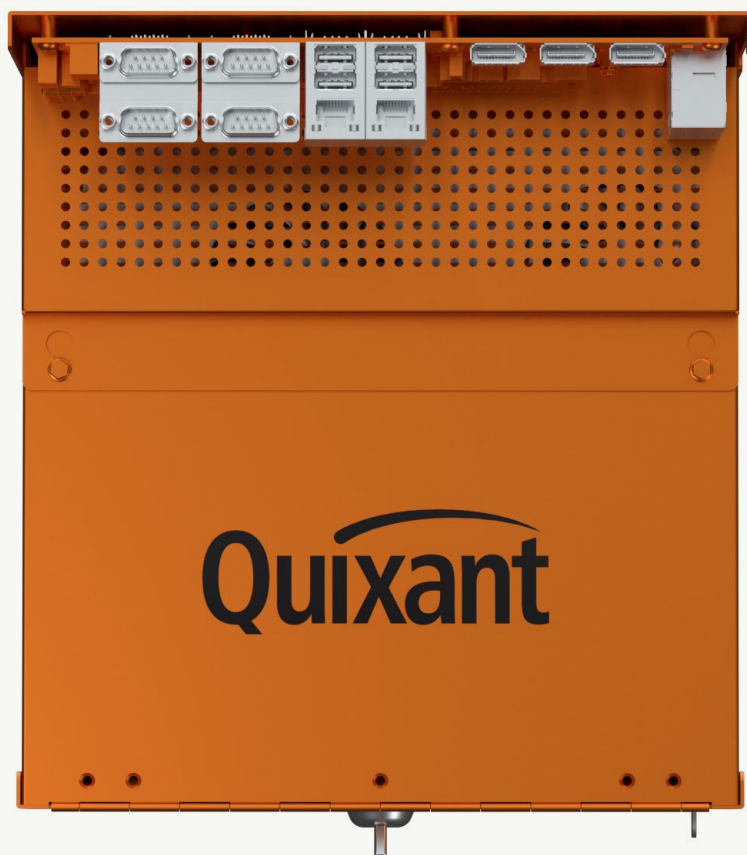
Ultimate performance.
Ultimate power.



Unleash your creativity on the QMAX Lite from Quixant

With the QMAX Lite, you can take your games as far as your imagination can go, without compromise on quality and performance. Highly configurable and powered by Intel, it offers exceptional GPU performance and advanced gaming configuration in a tray and backplane format.

Building on the QMAX Lite, which includes Quixant's game optimising Software Hub solutions, you will have one of the most powerful and feature rich gaming hardware platforms on the market to develop your world-class game content on.



Why the QMAX Lite?

One of the most powerful and feature rich gaming hardware platforms on the market

Take your games as far as your imagination can go, without compromise on quality and performance. A highly customisable tray and backplane platform which enables advanced gaming configuration. The platform includes Quixant's market leading Software Hub solutions, enabling you to develop the best game content on the market, to seamlessly integrate all elements of your game and to launch them to the market in record time.

Ultimate CPU and graphics processing

Powered by Intel®, the QMAX Lite enables you to deliver more of the highest resolution content and the smoothest game play for a more immersive 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 player experience, not developing security solutions.

5-year supply lifetime

Confidence in a reliable solution that will be supported and delivered for 5+ years, so you don't have to worry about replacing hardware and can focus on developing exceptional game content.

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

QMAX Lite Features

Processing Unit

- Intel® 11th Generation Intel® Core™ i5 Processors
- i5-1145G7E – 4 Cores, 8 threads
- Core frequencies 1.5 (4.1GHz with Intel® Turbo Boost)
- 8 MB Intel® Smart Cache

Integrated GPU

- Intel® Iris® Xe Graphics
- Drives up to four independent 4K displays via DisplayPort 1.2 interface

Main Memory

- 2 x DDR4, 3200 SODIMMs sockets
- Up to 64GB main memory

Core

NVRAM

- Fast 64bit PCI Express® interface
- Up to 32MB of NVRAM – four independent physical banks
- Battery backed SRAM
- Hardware accelerated memory bank mirroring, copying, verification and CRC support
- 5-years battery life

Up to 64 digital inputs

- Configurable hardware debounce filtering
- Input pulse width screening for pulse devices

Up to 64 digital outputs

- Detection and reporting of open and short circuits
- Output overload protection
- Electromechanical meters handling
- Detection and reporting of open and short circuits

Communication Interfaces

8 x serial ports

- 16550 compatible
- SAS hardware support
- Support for RS232, RS485, ID003, ccTalk, NSW in the backplane
- 2 x PCI Express® Gigabit LAN interfaces
- 7 x USB 2.0 ports in the backplane
- 4 x USB 2.0 pin header inside the case
- 2 x USB 3.0 ports in the front
- 1 x SPI header for clock serial peripherals (e.g. SEC meter) or LED strips
- 2 x I²C interface
- 2 x iButton interface

Storage

- 2 x CFast sockets up to 6GB/s – Front Panel
- 2 x SATA 3 sockets up to 6Gb/s (SATA DOM, SSD, HDD)
- 1 x M.2 PCIe Gen 4x4
- 2Kbits of user EEPROM storage (optional up to 128Kb)

Authenticate

- TPM 2.0 (option)
- Unique electronic serial number
- Secure SHA-3 Authenticator with ChipDNA PUF Protection

Protect

- Metal case with keylock and security seal
- 16 x monitored intrusions including jumpers' supervision
- Embedded HW AES256 Engine, ECB and CBC

Audio

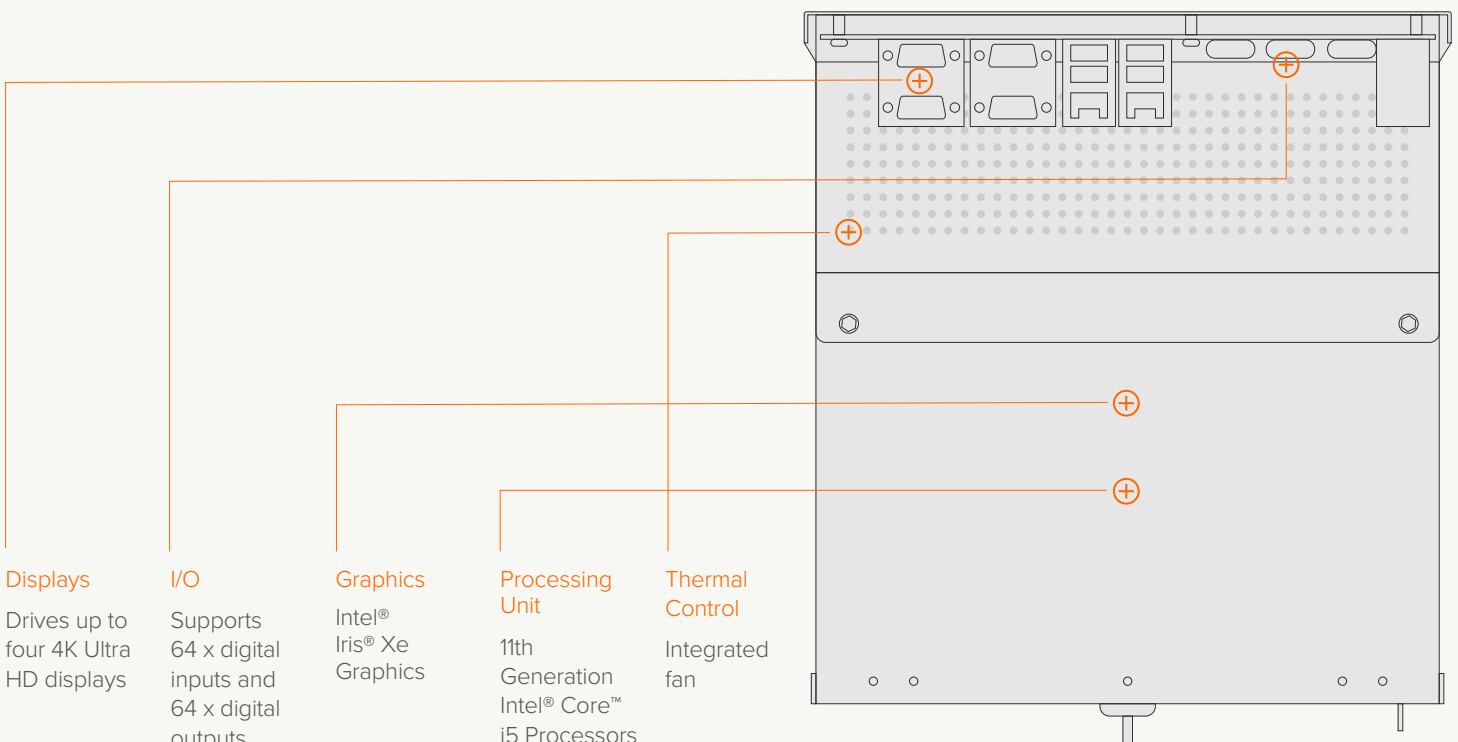
- Integrated HD audio controller 7.1 audio channels
- 2 x stereo 18W/ channel 4-Ohm digital amplified outputs

Debug


- Hardware debugging system via a ethernet interface
- Temperature, fan and voltages supervision

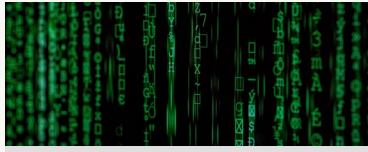
Power Requirement

- 12V single voltage input



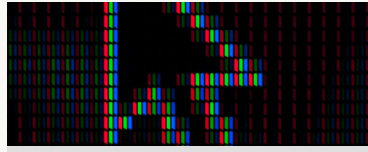
The game optimizing software solutions enabled on the QMAX Lite gaming hardware platform are:

 Development Solutions



DEBUG

Quixant's Debugging Solution

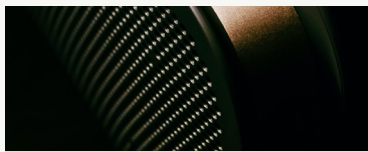


PLAY

Quixant's Video Content Solution



 Multimedia Solutions

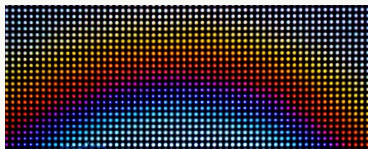


AMPLIFY

Quixant's Audio Amplification Solution

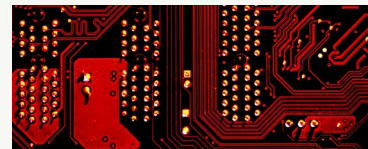


 Security Solutions



BOOT

Quixant's Secure BIOS Solution



AUTHENTICATE

Quixant's Authenticity Solution

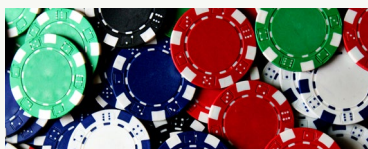


PROTECT

Quixant's Suite of Security Solutions



 Protocol Solutions



G2S

Quixant's G2S Solution



SAS

Quixant's SAS Solution



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