Industrial and Embedded Computer Systems

We are a leading designer and manufacturer of embedded, industrial and rugged computing, specialising in robust 19" rack computers, fanless PCs, NVIDIA Jetson computers, Panel PCs, laptops, computer boards and time distribution products that provide reliable operation in demanding environments.

For over 40 years, Steatite has been providing ruggedised computers serving a diverse range of markets, including industrial, medical, marine, transportation, surveillance, and defence. Our applications include medical diagnostic systems, on-board train CCTV, manufacturing automation, ANPR, remote surveillance, robotics, and autonomous mining, providing reliable and robust computing solutions tailored to the unique demands of each sector.

Steatite computers are available to purchase for a minimum of 5 years from launch, simplifying mass deployments and meaning you'll always receive exactly what you're expecting.

Products

Fanless Computers
Rugged, power efficient, and high performance fanless computers designed to work reliably and quietly in harsh environments.

Highly configurable I/O means that challenging requirements can now be met with an off-the-shelf system, whereas a custom solution would have been needed in the past.

Rack-mount PCs
Robust and durable computer designed to be mounted in a 19-inch rack, these systems are built to withstand tough environments, offering reliable operation in manufacturing automation, defence, broadcast, and other critical applications.

Based on the latest Intel and AMD CPUs and manufactured using the highest quality industrial-grade components, Steatite rack-mount computers are designed to provide great performance for the long-term.

AI/GPU Computing
Utilising the latest NVIDIA Jetson AI accelerators or high-performance GPGPUs, and designed for edge AI deployment in harsh environments, Steatite's AI computers are suitable for a wide variety of challenging applications.

Fanless Jetson-based systems with enhanced I/O, Jetson carrier boards for integration into your system, and high-performance systems supporting multiple NVIDIA or AMD GPUs.

Touchscreen Panel PCs
Power efficient, high performance, IP-rated, high brightness, medical grade, rail approved - Steatite's range of touchscreen computers includes options to suit most environments and applications.

Resilient Timing
Highly accurate time servers with integrated anti-spoofing and anti-jamming technologies, and supporting a wide range of both legacy and cutting-edge timing interfaces, Steatite's range of timing systems are ideally suited to a wide range of military and industrial applications.

Computer Boards
Offering all major form factors and processors, and available with wide temp support from -40 to +85°C, you'll find a suitable SBC within Steatite's range of industrial-grade computer boards.

COM Express, COM HPC, and SMARC form factor computer modules from major manufacturers are ideally suited to applications where an off-the-shelf board won't suit the application – we design the carrier boards too.

DESIGNED TO PERFORM. BUILT TO LAST

Custom Computer Design

Alongside the COTS (commercial off-the-shelf) computers that we offer, Steatite also designs systems from the ground up for when your use case is that bit more challenging or unusual.

From the design of an enclosure to house specific hardware, to high-speed electronics design that integrates processing and I/O onto a single board, Steatite's in-house engineering team has the skills and experience to design a solution that will operate reliably in the target environment and application.

Feasibility

Ensuring what you're looking to do is technically possible is probably the most important stage in the design process. Based on knowledge and experience gained over 100s of projects, our engineering team can quickly work out if what you're looking to do is actually achievable.

Engineering

In-house mechanical, electronic, and systems engineers work together to design a system that meets the technical, environmental, and EMC requirements whilst also being cost effective and reliable.

Prototyping

Proving a system design through a thorough prototyping process is a vital step in the development of a custom system. Our in-house test equipment allows us to quickly find what works and what doesn't and to then test and implement improvements very quickly.

Qualification and Certification

In-house EMC, electrical, temperature, humidity, shock, vibration, and TEMPEST test equipment means that we can efficiently design and test our systems to meet specific standards prior to official certification.

Manufacturing

UK-based and US-based manufacturing facilities means that we have total control over the production of the computer systems that we design, with capacity to build over 1000 computer systems per month.

Project Management

Our experienced PRINCE2 project management team help to ensure new designs are delivered on time and on budget.

Through Life Support

Ongoing support of the computers that we design, including obsolescence management, spares holdings, reliability modelling, and preventative maintenance, takes a lot of the support burden off our customers, allowing them to focus on their core competencies.

Technical Support

Our UK based technical support team are there to provide efficient support if any issues arise.
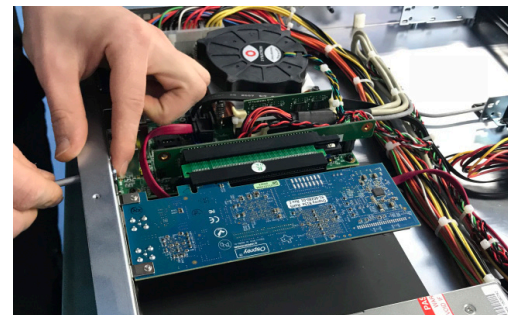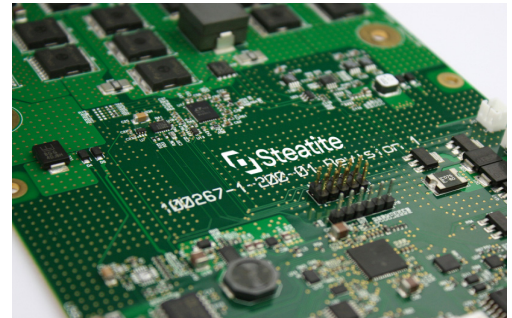
When only the best will do

We continually invest to maintain our position at the forefront of industrial computer manufacturing. Whether you're looking for off-the-shelf, customised or full bespoke systems, we have the capability to support you. We are renowned for product quality and high levels of service, and with a pedigree stretching back to the early days of industrial computing, we have the expertise to ensure that your computer is a perfect match for your requirements.

With Steatite, you can be confident of a professional, no compromise, quality service, with products that utilise only the finest components.

If you have a computer requirement contact us on 01527 512400 or email computers@steatite.co.uk

For more information regarding our computing solutions visit www.steatite-embedded.co.uk

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