

Making flash technology work for you

www.cardwave.com



OEM Solutions

Cardwave is a multi-award winning, pioneering services company, specialising in removable and embedded flash storage solutions

Cardwave delivers end-to-end solutions for OEMs that are delivered with expertise and assurance

Your business is our business

In recent years, there has been a mini explosion in the variety of uses for flash memory – most notably for IoT, mobile, automotive, drones and industrial applications, all of which have significant growth prospects in the coming years.

These are exciting times for the industry, proving that the simplicity of using this robust technology has incredible value to OEMs.



“With new opportunities come new challenges. OEMs and industrial customers using flash memory need to understand that not all cards are created alike. Choosing flash memory that is right for an application can be a daunting and challenging process. This is where Cardwave can become an integral part of your operations and decision making process.”

Paul Norbury
Chief Executive, Cardwave Services Ltd

Cardwave’s expertise across all sectors in the flash memory market is unrivalled with over a decade of experience working with OEMs worldwide. We have close relationships with the leading manufacturers of flash memory and can offer you an independent and bespoke choice of products and services to meet your business needs.

With production facilities in the UK and US, Cardwave can work with you to ensure the right product/s are delivered to specification and to the right timescales, giving you the best possible end user experience.

Contact us today to discuss how we can help your business

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We take time to understand your requirements to provide you with the right solution

Understanding your requirements

We will work closely with you to fully understand your requirements and interpret your needs, including environmental, commercial, technical, performance and quality. Our experience in working in this sector for over 12 years will help you make better informed decisions and save you painful or costly mistakes.

Approval process

Cardwave has a robust approvals process. When programming your products we will provide you with a golden master for you to validate before production takes place. Physical products can be provided for proof of concept through to field tests.

Producing your product

Cardwave's infrastructure is built around the needs of our customers with streamlined production processes and a high speed data network for swift uploads and downloads.

When the approval process has been signed off, we will deliver your finished product to the timescales we have agreed.

UK and US production facilities

Our duplication facilities in the UK and US are set up to produce large volume, high quality and sometimes technically challenging results for our customers.

Our equipment supports different types of form factors including removable and embedded media, with advanced production and secure storage areas for your products.



Customisation

Our reputation for customisation and personalisation services is highly regarded. We support licence management services and have extensive experience of working with various methods of content protection to help you implement the right solution, whether it be an encrypted code for security, custom programming scripts or customised labels or packaging.

Distributing your products

Cardwave functions best as an integrated part of your logistics network. We send products worldwide every day and have a clear understanding of export and import which makes it easier for you to get your finished goods where they need to be. We are experienced in working to 'just-in-time' distribution and with freight forwarders.

We know our service is a reflection on your brand so you can count on us to deliver.

“Cardwave’s knowledge of the technology and the memory market has meant that whatever type of solution we have needed, they have come up with the best possible option. Their expertise and advice has been invaluable to us and enabled us to grow our business and support our customers”

***We care as much
about your
customer
experience
as you do***

***Outstanding
customer
service is our
goal and of
utmost importance
to us***



Process overview

1) Consulting stage

- First contact - email / phone / skype / face to face.
- Product and business requirements determined.
- Additional services discussed e.g. licencing, customisation, labelling, added inserts, packaging requirements.
- Proposal and quote prepared and submitted.
- Proposal and timescales agreed.

2) Mastering / approval stage

- Physical samples shipped and technical data shared.
- Receipt of master data from client.
- Creation of golden master.
- Golden master sent to client for approval.

3) Production stage

- Master approval transferred to production.
- Binary images written to media and verified.
- Additional requirements carried out e.g. labelling, packaging.
- Quality checks carried out prior to distribution.

4) Distribution stage

- Packages prepared and special instructions noted.
- Express / direct shipments.

It's the service we give our customers that sets us apart from our competitors. Every customer is unique and they all have their own individual set of requirements. We will work closely with you to tie all the elements of a project together to make it a success.



Cardwave operates a comprehensive quality system and is ISO9001 and ISO4001 accredited

Our processes and products are regularly audited for quality

OEM service overview

- Fixed BOM (bill of materials) products.
- Software customisation options.
- Access to a wide range of flash memory product choices from all the leading manufacturers.
- ESD Protection zones.
- Temporary or permanent write protection.
- Life expectancy advice.
- Analysis tools.
- Labelling.
- Product packaging and insert options.
- Pre-delivery audit.
- Logistics and tracking service.

“Cardwave has given us an attentive, quality service from start to finish with a product that’s exactly what we hoped for but didn’t know we could achieve”

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Cardwave consults closely with its customers to deliver products that best fit the market needs and the requirements of the specific application. We work with blue chip and OEM customers in varied sectors and applications such as networking, automotive, security, medical and industrial automation. High quality, controlled BOM and long term support are important to all of our customers and some markets demand higher performance - faster data rates, better shock resilience or the ability to operate in extreme temperatures.



Cardwave helps you deliver the best performing product for your market needs.



Flash media products



Product	Typical applications
SD Cards	Notebook computers, handheld computers, rugged computers, personal navigation devices, digital signage players, digital cameras, DLSR cameras and camcorders.
microSD Cards	Smartphones and tablet PCs, digital cameras and camcorders, consumer electronics, MP3 players, small form factor embedded computers.
Compact Flash	DLSR cameras, embedded computing systems, networking products, industrial control systems, digital signage players, medical equipment, interactive kiosks, avionic systems.
eUSB	Embedded systems, medical systems, surveillance systems, communication systems, aerospace systems, rugged computers.
mSATA	Embedded systems, medical systems, surveillance systems, communication systems, aerospace systems, marine/submarine systems, rugged computers.
2.5" SSD	Rugged computers, industrial automation systems, vehicle based systems, defence and aerospace, medical/healthcare, video capture and surveillance, data centres, radar and sonar equipment, broadcast equipment.
Slim SATA	Embedded systems, ticketing machines, vehicle computers, ATMs, point of sale (POS) machines, rugged computers.
USBs	Military/aerospace, aviation, medical, transportation, oil and gas, automobile systems, navigation, automation, test and measurement, industrial PCs, surveillance, mobile computers, IoT, casino, gaming.



With production facilities in the UK and US, Cardwave can work with you to ensure the right product/s are delivered to specification and to the right timescales, giving you the best possible end user experience

Contact us

For more information about Cardwave and our services please view our website www.cardwave.com or contact our offices as follows:

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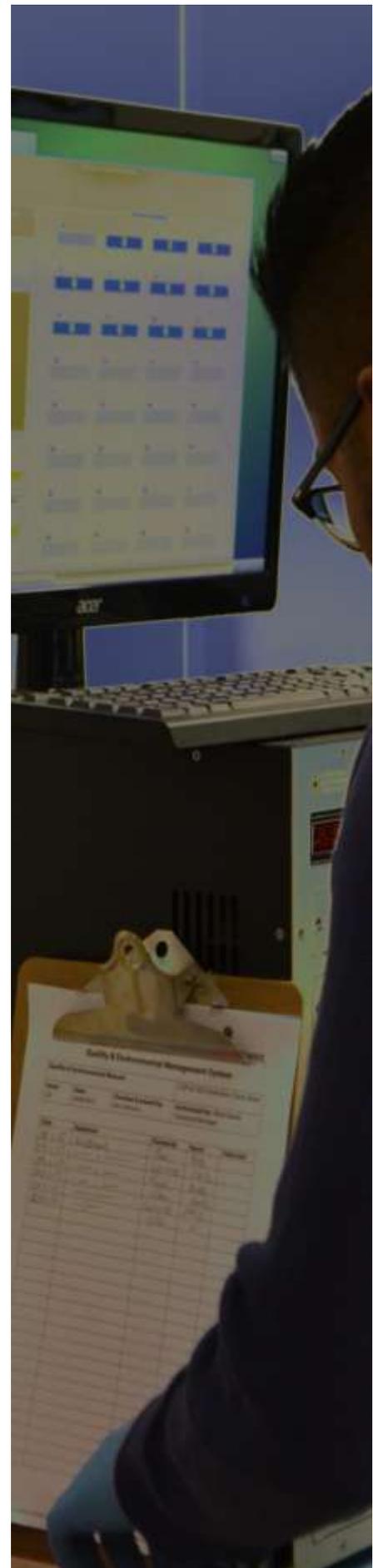


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