

World leader in flash memory integration and duplication

About Cardwave

A multi-award winning, pioneering services business specializing in flash memory products.

- Formed in 2004, privately owned
- Offices in the UK and US with a global presence to support all customers
- Trusted partner to OEMs, enterprise and SMEs
- Strategically partnered with the world's leading manufacturers of flash memory
- The 'go to' trusted expert in the industry









Our Offices



Serving

- Europe
- Middle East
- Asia
- Australia/NZ



Serving

- North America
- South America









Our Market Focus

Our success is based on >20 years experience of delivering projects across multiple sectors.

We support customers in

Automotive

Embedded & industrial computing

Mobile technology & wearables

IoT & factory automation

Healthcare

Government

Media & film

Plus many more...









In The Beginning

Digital still cameras and MP3 players drove the adoption of removable flash memory.

- Multiple versions of removable memory cards
 - >15 formats in 2007
- Compatibility problems, frustrated users
- Standards did not exist, poor user experience















The Need For **Standardisation**

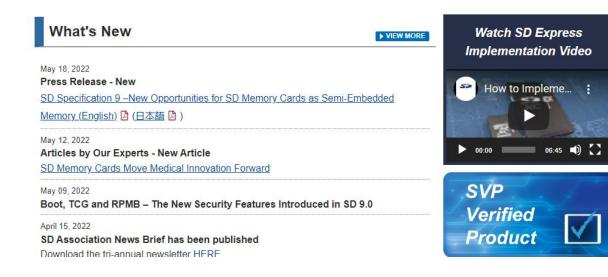
The SDA was formed in 2000 to bring companies and technology together

- Too many competing form factors gave the user a bad experience
- Standardisation enabled the growth of the SD form factor
- Continues to set new standards for high performance microSD











Commercial **Products**

SD and microSD memory cards have multiple markings, logos and pictographs, intended to explain specification and performance

- Most consumers do not know what they all mean
- Commercial products are not designed or built to the same specification as ar industrial product













Commercial Needs Are Different

Consumers are given a choice when purchasing removable memory cards

- Consumers care most about;
 - Price
 - Brand
- Less of a consideration;
 - Performance
 - Reliability









Industrial Use

Using a consumer grade card for an industrial application is risky!

- Industrial/OEM users care about;
 - Performance
 - Reliability
 - Endurance
 - Support









Our services

Production Facilities

Cardwave has one of the largest production facilities in Europe and the US, supporting all form factors of flash memory products.

- High-volume capability
- Binary image replication
- On-site customization & packaging
- Reporting & traceability
- Quality assurance
- Secure storage











OEM Services

Our services include	1st Line	2nd Line
	In-House	Manufacturer
Independent advice on best product to use per application	•	×
Advanced test & qualification services		
Mastering & binary image replication of your data		×
Just-in-time (JIT) production & fulfilment		×
Product migration and change management		
Technical & engineering support – including direct with manufacturer		
Environmental compliance & technical documentation (PPAP, RoHS)		
Comprehensive reporting including by serial number and test status		8
Quality management and reporting		×







Quality Management

We have an aspirational approach to quality and invest in our people, processes and facilities to ensure we are 'best in class'.

Our culture endorses a commitment to continual improvement and transparent communication with our customers

 Our quality management system is accredited to ISO9001-2015 and is the nucleus of our business

- We are also accredited to ISO14001
- Our products have a very low failure rate < 0.05%
- Customer satisfaction is measured, we aim for a minimum approval of 99.5%









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Questions?