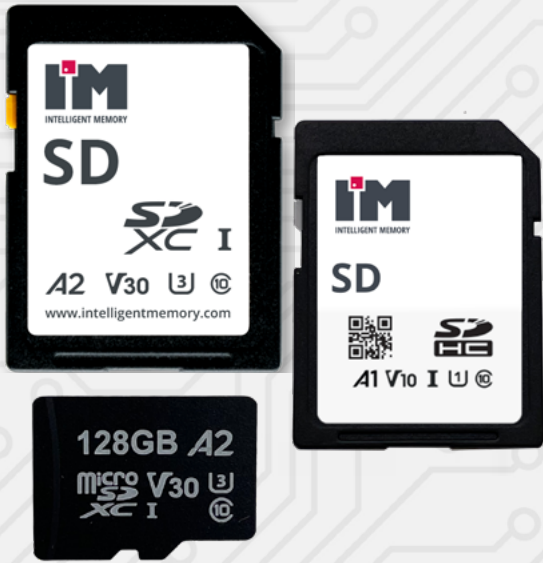**INTELLIGENT MEMORY**

SD & microSD

KEY FEATURES:
- Small form factor removable storage
- Flexible optimization for various use cases, such as:
  - High random write accss
  - Read only
  - Mixed workloads
- Offers page writes
- Global wear levelling
- SMART support
- High reliability and long-term availability

Intelligent Memory's SD and microSD cards pack a punch. Despite their small package these cards offer broad capacity and temperature ranges to meet the robust requirements of a variety of embedded and industrial applications. Highly reliable and available long term, our SD product family provides removable storage, power loss protection, and flexible use for high random write access, read only, or mixed workloads.

		Silver	Ruby	Emerald
Capacity Range		64GB - 256GB	16GB - 128GB	512MB -64GB
Temperature Range		Extended Commercial: -25°C to +85°C Industrial: -40°C to +85°C		
Endurance (Total Drive Writes)	JEDEC Client	1.500	20.000	640.000
	JEDEC Enterprise	150	8.000	512.000
Performance	Seq. read (max. / sust.) - MB/s	91 / 87	91 / 87	91 / 87
	Seq. write (max. / sust.) - MB/s	81 / 76	81 / 76	81 / 76
	Random read (max. / sust.) - IOPS	2.230 / 2.187	2.230 / 2.187	2.230 / 2.187
	Random write (max. / sust.) - IOPS	1.556 / 226	1.556 / 700	1.556 / 1.500
Data Retention (Min / Max)			1Y / 10Y	