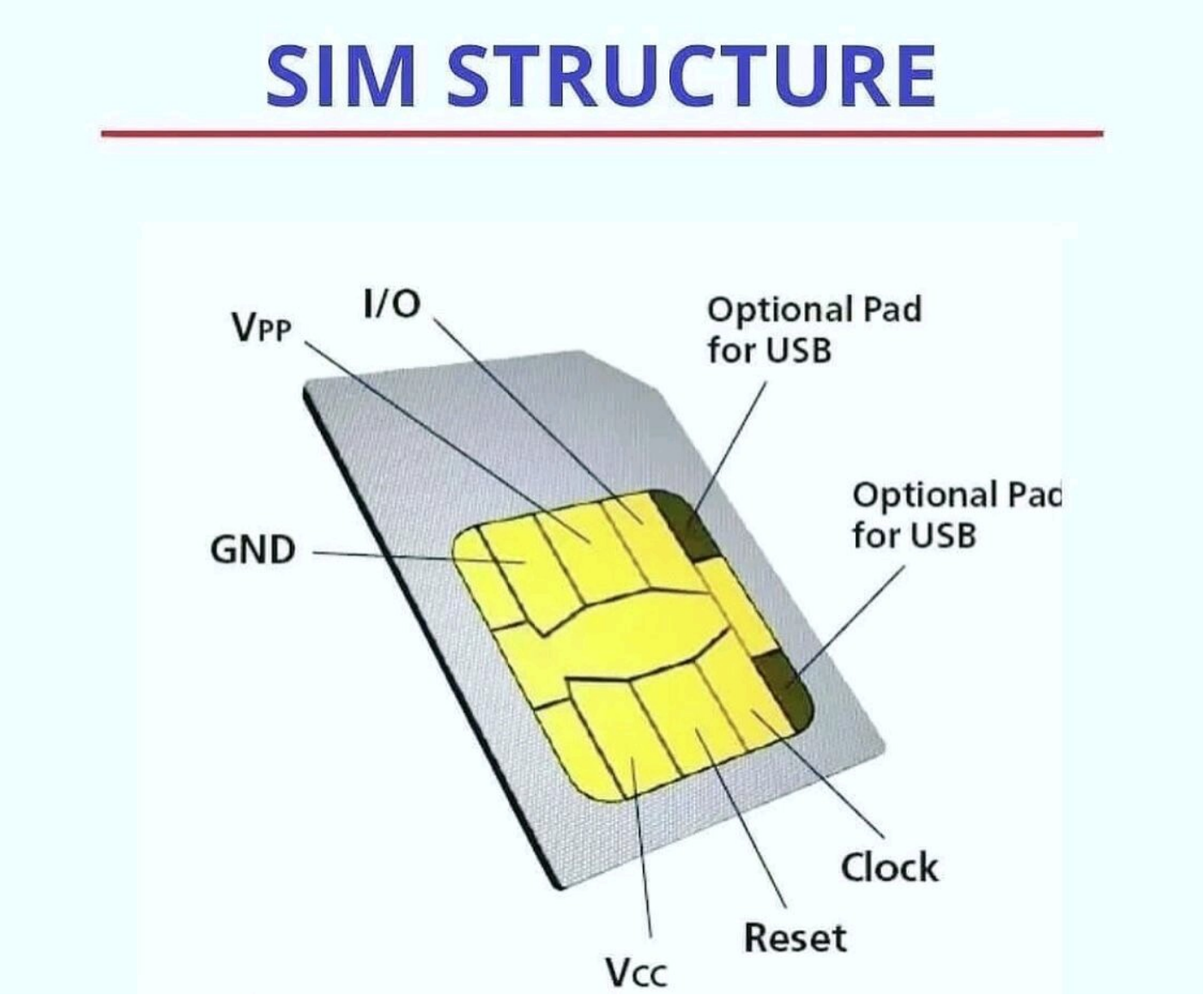
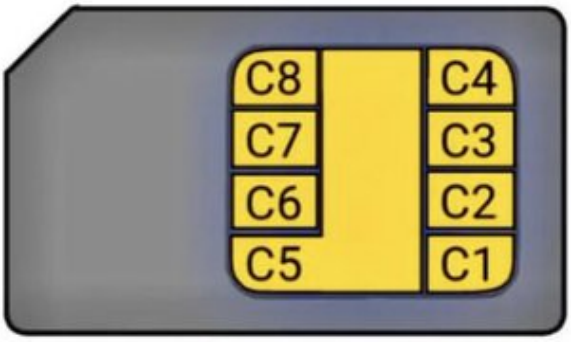
Technologie

- La carte SIM
- La carte SD

La carte SIM


SIM STRUCTURE
VPP
I/O
Optional Pad for USB
Optional Pad for USB
GND
Clock
Reset
VCC

SIM CARD PINOUT



Mini-SIM Smart card

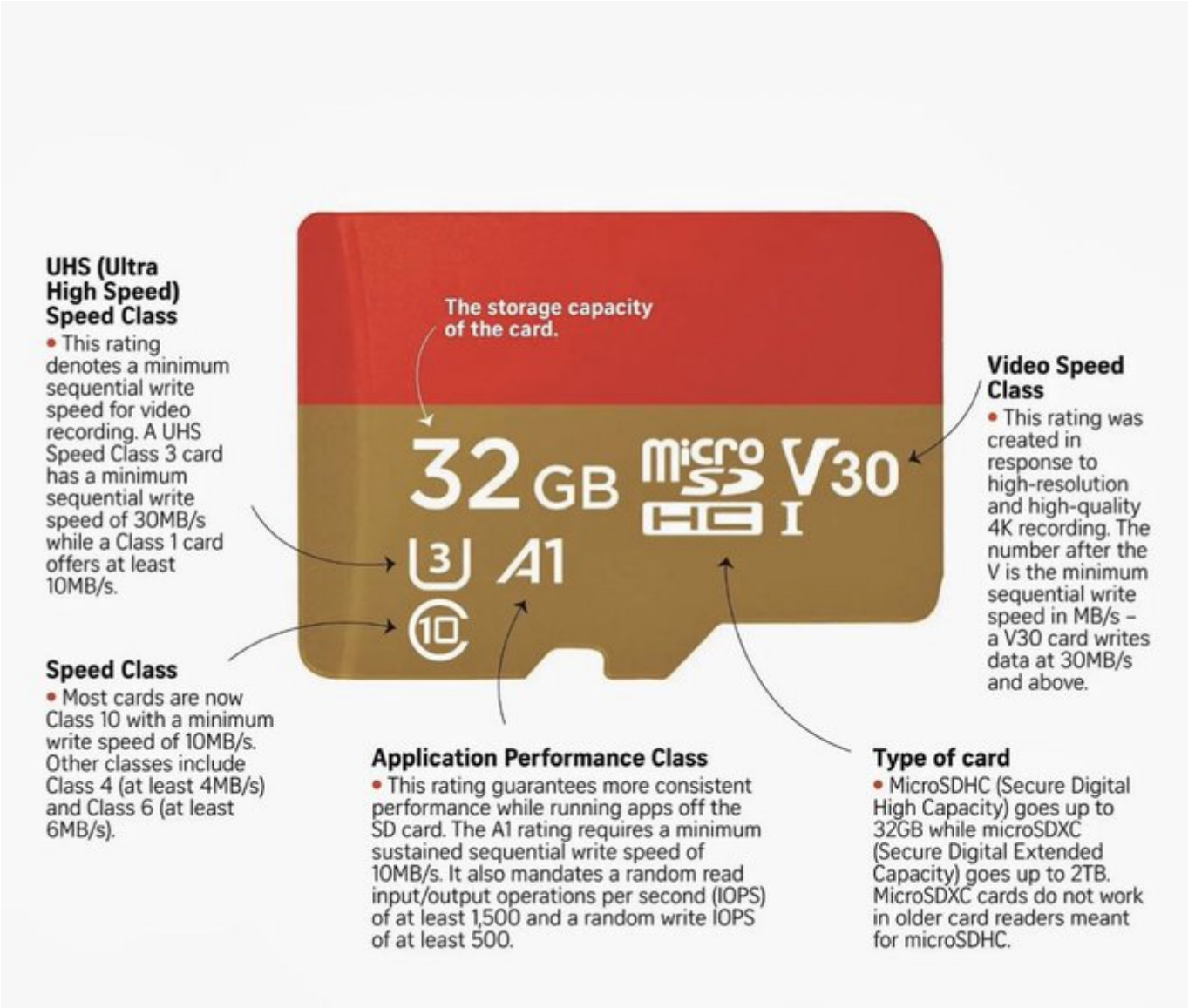


circuitmix

Pin	Signal	Description
C1	VCC	VDC power supply input
C2	RESET	Reset signal. Supplied from the interface device or in combination with an internal control circuit
C3	CLOCK	Clock signal for serial data
C4	RESERVED	AUX1 (optional)
C5	GND	Ground
C6	VPP	Programming voltage input (optional). Required to program the internal non-volatile memory
C7	DATA	I/O for serial data
C8	RESERVED	AUX2 (optional)

AUX pin are optionally used for USB interfaces or other application specific uses.

La carte SD


UHS (Ultra High Speed) Speed Class
• This rating denotes a minimum sequential write speed for video recording. A UHS Speed Class 3 card has a minimum sequential write speed of 30MB/s while a Class 1 card offers at least 10MB/s.
Speed Class
• Most cards are now Class 10 with a minimum write speed of 10MB/s. Other classes include Class 4 (at least 4MB/s) and Class 6 (at least 6MB/s).
The storage capacity of the card.
32 GB
micro SD HC I
V30
U3
A1
10
Video Speed Class
• This rating was created in response to high-resolution and high-quality 4K recording. The number after the V is the minimum sequential write speed in MB/s – a V30 card writes data at 30MB/s and above.
Application Performance Class
• This rating guarantees more consistent performance while running apps off the SD card. The A1 rating requires a minimum sustained sequential write speed of 10MB/s. It also mandates a random read input/output operations per second (IOPS) of at least 1,500 and a random write IOPS of at least 500.
Type of card
• MicroSDHC (Secure Digital High Capacity) goes up to 32GB while microSDXC (Secure Digital Extended Capacity) goes up to 2TB. MicroSDXC cards do not work in older card readers meant for microSDHC.