

Features		STM32H7R3/S3	STM32H7R7/S7	STM32H747/757	STM32H745/755	STM32H7A3/7B3	STM32H743/753	STM32H742	STM32H725/735	STM32H723/733	STM32H7B0	STM32H750	STM32H730
Backup RAM (4 kB)		•	•	•	•	•	•	•	•	•	•	•	•
ULP Stop mode retention RAM (kB)						*					*		
Power supply	SMPS		*	*	*	*			*		*		*
	LDO	*	*	*	*	*	*	*	*	*	*	*	*
Memory interfaces	Serial SPI	*	*	*	*	*	*	*	*	*	*	*	*
	Quad SPI	*	*	*	*	*	*	*	*	*	*	*	*
	Octo SPI	*	*			*			*	*	*	*	*
	Dual Quad	*	*	*	*	*	*		*	*	*	*	*
	Dual Octo	*	*			*			*	*	*	*	*
	HSPI	*	*										
	FMC	*	*	*	*	*	*	*	*	*	*	*	*
SDIO	*	*	*	*	*	*	*	*	*	*	*	*	
Security	S-ECC	*	*										
	S-RSA	*	*										
	S-AES	*	*										
	TDES	*	*	*	*	*	*		*	*	*	*	*
	SHA-2	*	*	*	*	*	*		*	*	*	*	*
	TRNG	*	*	*	*	*	*	*	*	*	*	*	*
	MCE	*	*										
	AES	*	*	*	*	*	*		*	*	*	*	*
	OTFDEC			*	*	*			*	*			*
Graphics	NeoChrom GPU		*										
	Chrom-ART	*	*	*	*	*	*	*	*	*	*	*	*
	Chrom-GRC	*	*			*					*		
	JPEG	*	*	*	*	*	*				*	*	
	CODEC	*	*	*	*	*	*				*	*	
	TFT-LCD		*	*	*	*	*		*	*	*	*	*
	Parallel display	*	*	*	*	*	*	*	*	*	*	*	*
	MIPI-DSI			*									
Connectivity	I2C	*	*	*	*	*	*	*	*	*	*	*	*
	I3C	*											
	USB FS	*	*	*	*	*	*	*	*	*	*	*	*
	USB HS	*	*	*	*	*	*	*	*	*	*	*	*
	UCPD	*	*										
	Ethernet	*	*	*	*		*	*	*	*		*	*