

AG32 MCU Selection Guide

Series	Part No.	Package	Max Speed (MHz)	Memory (Bytes)		I/O	Timer					Connectivity						Analog Interface			FPGA			
				Flash (Bytes)	SRAM (Bytes)		GP/Adv TM (32bit)	Bsc TM (32bit)	SysTick (64bit)	WDG	RTC	UART	PC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Comp	Les	RAM M9K	PLL
AG32VF407	AG32VF407RET6	LQFP64	248	512K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF407RGT6	LQFP64	248	1024K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF407VET6	LQFP100	248	512K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF407VGT6	LQFP100	248	1024K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
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				Flash (Bytes)	SRAM (Bytes)		GP/Adv TM (32bit)	Bsc TM (32bit)	SysTick (64bit)	WDG	RTC	UART	PC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Comp	Les	RAM M9K	PLL
AG32VF303	AG32VF303CCT6	LQFP48	208	256K	128K	up to 34	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF303CET6	LQFP48	208	512K	128K	up to 34	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF303CGT6	LQFP48	208	1024K	128K	up to 34	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF303RCT6	LQFP64	208	256K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF303RET6	LQFP64	208	512K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF303RG76	LQFP64	208	1024K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF303VCT6	LQFP100	208	256K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF303VET6	LQFP100	208	512K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
AG32VF303VGT6	LQFP100	208	1024K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1	
Series	Part No.	Package	Max Speed (MHz)	Memory (Bytes)		I/O	Timer					Connectivity						Analog Interface			FPGA			
				Flash (Bytes)	SRAM (Bytes)		GP/Adv TM (32bit)	Bsc TM (32bit)	SysTick (64bit)	WDG	RTC	UART	PC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Comp	Les	RAM M9K	PLL
AG32VF205	AG32VF205RCT6	LQFP64	184	256K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF205RET6	LQFP64	184	512K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF205RG76	LQFP64	184	1024K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF205VCT6	LQFP100	184	256K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF205VET6	LQFP100	184	512K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF205VGT6	LQFP100	184	1024K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
Series	Part No.	Package	Max Speed (MHz)	Memory (Bytes)		I/O	Timer					Connectivity						Analog Interface			FPGA			
				Flash (Bytes)	SRAM (Bytes)		GP/Adv TM (32bit)	Bsc TM (32bit)	SysTick (64bit)	WDG	RTC	UART	PC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Comp	Les	RAM M9K	PLL
AG32VF107	AG32VF107RBT6	LQFP64	168	128K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107RCT6	LQFP64	168	256K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107RDT6	LQFP64	168	384K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107RET6	LQFP64	168	512K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107RFT6	LQFP64	168	786K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107RG76	LQFP64	168	1024K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107VBT6	LQFP100	168	128K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107VCT6	LQFP100	168	256K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107VDT6	LQFP100	168	384K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107VET6	LQFP100	168	512K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107VFT6	LQFP100	168	786K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32VF107VGT6	LQFP100	168	1024K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
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				Flash (Bytes)	SRAM (Bytes)		GP/Adv TM (32bit)	Bsc TM (32bit)	SysTick (64bit)	WDG	RTC	UART	PC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Comp	Les	RAM M9K	PLL
AG32VF103	AG32F103C4T6	LQFP48	168	16K	128K	up to 34	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103C6T6	LQFP48	168	32K	128K	up to 34	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103C8T6	LQFP48	168	64K	128K	up to 34	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103CBT6	LQFP48	168	128K	128K	up to 34	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103R4T6	LQFP64	168	16K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103R6T6	LQFP64	168	32K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103R8T6	LQFP64	168	64K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103RBT6	LQFP64	168	128K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103RCT6	LQFP64	168	256K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103RDT6	LQFP64	168	384K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103RET6	LQFP64	168	512K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103RFT6	LQFP64	168	786K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103RG76	LQFP64	168	1024K	128K	up to 49	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103V8T6	LQFP100	168	64K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103VBT6	LQFP100	168	128K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103VCT6	LQFP100	168	256K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103VDT6	LQFP100	168	384K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103VET6	LQFP100	168	512K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103VFT6	LQFP100	168	786K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1
	AG32F103VGT6	LQFP100	168	1024K	128K	up to 78	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1