

AG32 MCU Selection Guide

Series	Part No.	Package	Max Speed (MHz)	Memory (Bytes)			I/O	Timer					Connectivity							Analog Interface			FPGA		
				PSRAM (Bytes)	Flash (Bytes)	SRAM (Bytes)		GP/Ad v TM (32bit)	Bsc TM (32bit)	SysTick (64bit)	WD G	RTC	UART	IC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Com p	LEs	RAM M9K	PLL
AG32VH407	AG32VH407RCT6	LQFP64	248	8M	256K	128K	up to 45	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/Ad v TM (32bit)		Bsc TM (32bit)	SysTick (64bit)	WD G	RTC	UART	IC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Com p	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	
Series	Part No.	Package	Max Speed (MHz)	Memory (Bytes)			I/O	Timer					Connectivity							Analog Interface			FPGA		
				Flash (Bytes)	SRAM (Bytes)	GP/Ad v TM (32bit)		Bsc TM (32bit)	SysTick (64bit)	WD G	RTC	UART	IC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Com p	LEs	RAM M9K	PLL	
AG32VF303	AG32VF303KCU6	QFN32	208	256K	128K	up to 26	5	2	1	2	1	5	2	2	1	FS+OTG	1	1	3	2	2	2K	4	1	
	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	
	AG32VF303RGT6	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/Ad v TM (32bit)		Bsc TM (32bit)	SysTick (64bit)	WD G	RTC	UART	IC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Com p	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	
	AG32VF205RGT6	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/Ad v TM (32bit)		Bsc TM (32bit)	SysTick (64bit)	WD G	RTC	UART	IC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Com p	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	
	AG32VF107RGT6	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	
Series	Part No.	Package	Max Speed (MHz)	Memory (Bytes)			I/O	Timer					Connectivity							Analog Interface			FPGA		
				Flash (Bytes)	SRAM (Bytes)	GP/Ad v TM (32bit)		Bsc TM (32bit)	SysTick (64bit)	WD G	RTC	UART	IC	SPI	CAN 2.0	USB 2.0	ETH MAC	Crypto /Hash	12bit ADC	12bit DAC	Com p	LEs	RAM M9K	PLL	
AG32VF103	AG32VF103C4T6	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	
	AG32VF103C6T6	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	
	AG32VF103C8T6	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	
	AG32VF103CBT6	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	
	AG32VF103R4T6	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	
	AG32VF103R6T6	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	
	AG32VF103R8T6	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	
	AG32VF103RBT6	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	
	AG32VF103RCT6	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	
	AG32VF103RDT6	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	
	AG32VF103RET6	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	
	AG32VF103RFT6	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	
	AG32VF103RGT6	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	
	AG32VF103VBT6	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	
	AG32VF103VBT6	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	
	AG32VF103VCT6	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	
AG32VF103VDT6	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		
AG32VF103VET6	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		
AG32VF103VFT6	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		
AG32VF103VGT6	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		

