

# GD32VW553 series of 32-bit RISC-V Combo Wireless MCUs Selection Guide



Series	Part No.	Max Speed (MHz)	Memory(Bytes)		I/O	Timer							Connectivity										Analog Interface		Package		
			Flash	SRAM		GPTM (32bit)	GPTM (16bit)	Advanced TM (16bit)	Basic TM (16bit)	SysTick (64bit)	WDG	RTC	U(S)ART	I <sup>2</sup> C	SPI	USB 2.0 FS	I <sup>2</sup> S	QSPI	CAU	HAU	PKCAU	TRNG	IEEE 802.11	Bluetooth		12bit ADC Units (CHs)	12bit DAC Units
GD32VW553	GD32VW553KIQ7	160	2048K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553KMQ7	160	4096K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553HIQ7	160	2048K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40
	GD32VW553HMQ7	160	4096K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40
	GD32VW553KIQ6	160	2048K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553KMQ6	160	4096K	320K	up to 21	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN32
	GD32VW553HIQ6	160	2048K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40
	GD32VW553HMQ6	160	4096K	320K	up to 28	2	2	1	1	1	2	1	1+2	2	1			1	•	•	•	•	(b/g/n/ax) HE20	BLE 5.2	1(9)		QFN40