

# GigaDevice Range of Ultra Low Cost ARM Cortex-M4 MCU's



GigaDevice, the industry's leading semiconductor supplier, has again expanded the range of GD32 ARM Cortex-M4 MCU's by introducing a new line-up of GD32F330/350 series ultra low cost microcontrollers with a system frequency of up to 108 MHz

As the newest member of the GD32 microcontroller family, the GD32F330/350 family offers up to 29 parts, including five package options.

The on-chip Flash of 16KB to 128KB and 4KB to 16KB of SRAM, the firmware can access the flash memory with high speed zero wait states at full system frequency.

Performance of 135 DMIPS.

With advanced power management features and three power-saving modes for low-power applications such as energy saving and portable applications, the standby current of the built in high precision real-time clock (RTC) is only 0.8uA when the external battery is powered.

Battery Supply Current $I_{BAT}$	
$V_{BAT}=3.6V$ , LSE on with external crystal. RTC on. Higher Driving	1.91 $\mu$ A
$V_{BAT}=3.3V$ , LSE on with external crystal. RTC on. Higher Driving	1.75 $\mu$ A
$V_{BAT}=2.6V$ , LSE on with external crystal. RTC on. Higher Driving	1.38 $\mu$ A
$V_{BAT}=3.6V$ , LSE on with external crystal. RTC on. Lower Driving	1.05 $\mu$ A
$V_{BAT}=3.3V$ , LSE on with external crystal. RTC on. Lower Driving	0.96 $\mu$ A
$V_{BAT}=2.6V$ , LSE on with external crystal. RTC on. Lower Driving	0.76 $\mu$ A

## GD32F330 Series Value ARM Cortex-M4 MCU

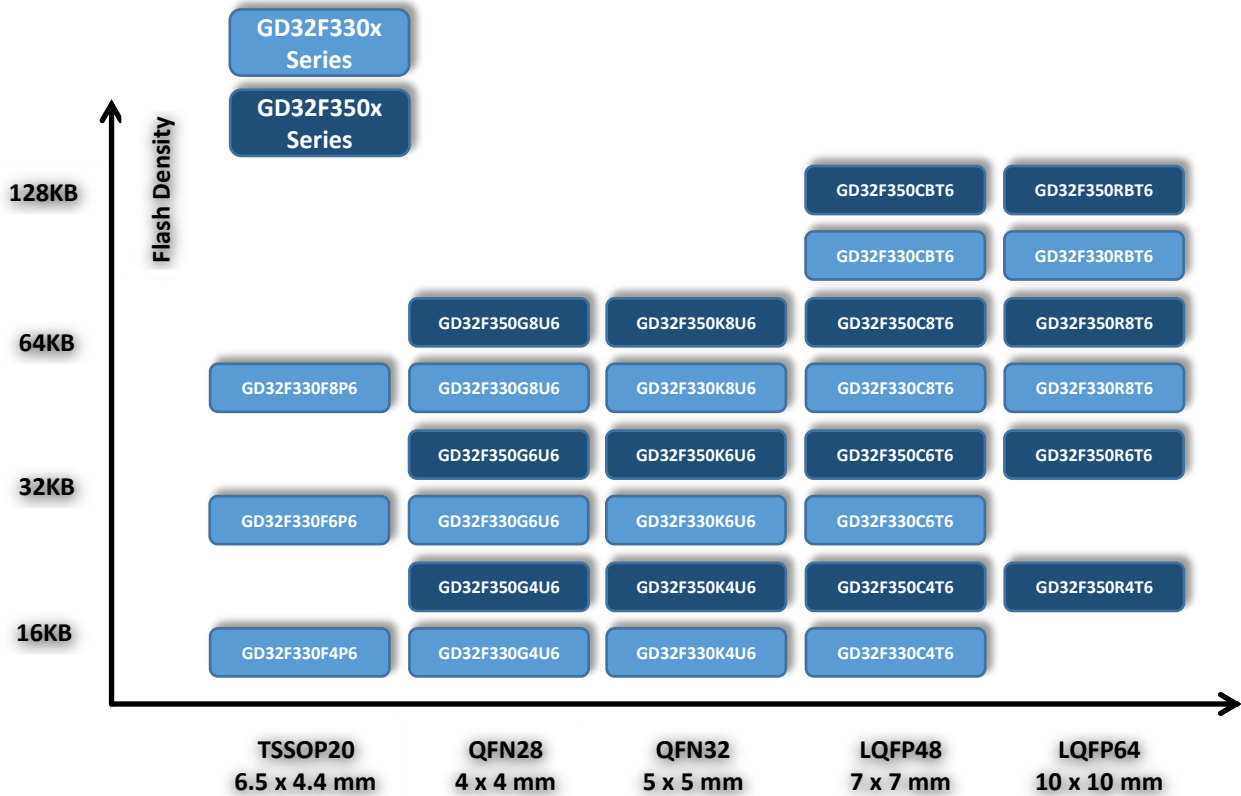
- 84MHz MCU, Flash 16-128KB, SRAM 4-16KB
- 11 x Timer, 2 x UART, 2 x SPI, 2 x I2C, 1 x I2S
- 1 x ADC

## GD32F350 Series Value ARM Cortex-M4 MCU

- 108MHz MCU, Flash 16-128KB, SRAM 4-16KB
- 12 x Timer, 2 x UART, 2 x SPI, 2 x I2C, 1 x I2S, USB OTG FS
- 1 x CEC, 2 x COMP, 1 x ADC, 2 x DAC



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## Development Tools

- GD32330C-START (GD32F330CBT6 MCU)
- GD32330F-START (GD32F330F8P6 MCU)
- GD32330G-START (GD32F330G8U6 MCU)
- GD32350C-START (GD32F350CBT6 MCU)
- GD32350G-START (GD32F350G8U6 MCU)
- GD32350R-EVAL (GD32F350RBT6 MCU)

