



GD32F103 Series (Mainstream) – GD32 ARM Cortex-M3 Microcontrollers

Technical Resources

Product Finder

requirements.

Use this tool to find the specific

products that fit your application

Additional MCU Documentation

Additional MCU documentation,

notes and more are available on

Product Selection Guide (PDF)

Click here to download the PDF

version of our Product Selection

See our GD32 MCU Starter Kits for

Contact Us

quick connection of prototyping

GD32 Development Tools

including manuals, application

our GD32 Microsite.

Guide.

and probing.

How to Buy

Features

ARM® CortexTM-M3 core

- Frequency up to108 MHz
- Single-cycle multiplier and hardware divider
- NVIC support 16 interrupts, each interrupt has 16 priority levels
- Flash memory

Flash up to 3072 KB

- SRAM up to 96 KB
- 2KB ISP loader ROM

Low-power management

- Support power saving mode: sleep, deep-sleep and standby mode
- Independent battery supply for RTC and backup register

High performance analog peripherals

- 3 x 12bit, 1µs ADC
- 2 x DAC

Varity of peripherals interface

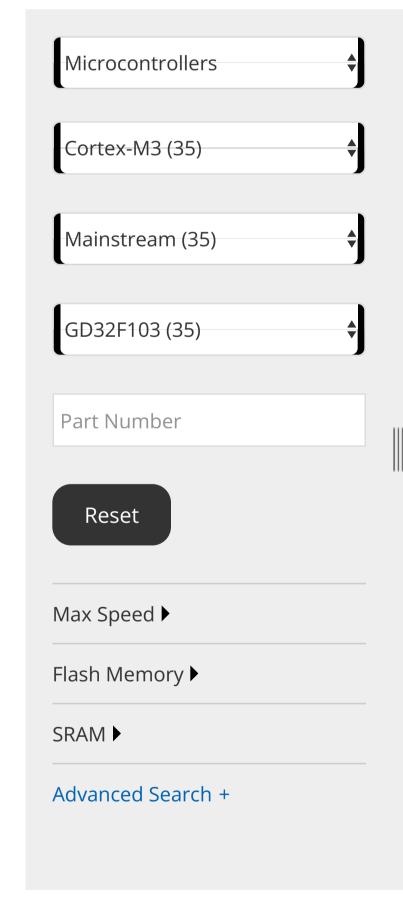
- Up to 5 x USART/Irda/LIN/ISO7816
- Up to 3 x SPI (18Mbit/s)
- Up to 2 x I2C (400Kbit/s)
- Up to 2 x CAN 2.0 B (1Mbit/s)
- USB 2.0 FS (12Mbit/s)

On-chip resources

- 1 x Advanced Timer, 1 x SysTick Timer, up to 10 x GPTM, 2 x WDT
- 2 x DMA supported
- POR,PDR and LVD
- 80% available GPIO
- 32 bit CRC
- Clock: HSI (8MHz) and LSI (40KHz)
- External Memory Control supported: SRAM, PSRAM, NOR-Flash, LCD

Browse GD32F103 Series MCUs

Not finding what you need? Go to the full Product Finder tool >



Part No.	Series	Line	Speed	Flash	SRA
GD32F103C4T6	GD32F103	Mainstream	108	16K	6K
GD32F103C6T6	GD32F103	Mainstream	108	32k	10K
GD32F103C8T6	GD32F103	Mainstream	108	64K	20K
GD32F103CBT6	GD32F103	Mainstream	108	128K	20K
GD32F103R4T6	GD32F103	Mainstream	108	16K	6K
GD32F103R6T6	GD32F103	Mainstream	108	32K	10K
GD32F103R8T6	GD32F103	Mainstream	108	64K	20K
GD32F103RBT6	GD32F103	Mainstream	108	128K	20K
GD32F103RCT6	GD32F103	Mainstream	108	256K	48K
GD32F103RDT6	GD32F103	Mainstream	108	384K	64K
GD32F103RET6	GD32F103	Mainstream	108	512K	64K
GD32F103RFT6	GD32F103	Mainstream	108	768K	96K
GD32F103RGT6	GD32F103	Mainstream	108	1024K	96K
Export to CSV					

Export to CSV

About	Products	Support	News	Contact		
Company Profile	Product Finder	How to Buy	Press Room	Contact Us		
Events	Flash Memory	Tech Support	Investor Relations			
Careers	Microcontrollers	Quality				
	Sensors					
Sign up for our newsletter						
				Submit		

Privacy Policy Terms of Use Site Map

in 😽 🕦