

Used Size Region Size %age Used Memory region 81.85% 40232 B 48 KB RAM: 70.22% FLASH: 184084 B 256 KB

PIONEER: STM32 Smart Vehicle DevBoard

Optimized for four-wheel smart car applications Accelerated and improved the tutorials in lab

STM32F103RCT6·72MHz·48K RAM·256K ROM

CAN transceiver | SPI Flash | IMU (MPU6050) | USB | LCD(SPI)

Embedded Software Development:

- Basic Examples: CLK, Debug, IT
- Examples for all peripherals: GPIO, UART (DMA/IT), SPI (DMA/ IT) , IIC (DMA/IT) , CAN
- Examples for smart vehicle application: BLE controller (with ESP32), Connect to control-board
- Bootloader based on USB-DFU: Download firmware directly rather than through UART nor ST-Link
- FreeRTOS integrated
- Port LVGL (a GUI framework):
 - Optimization approaching performance limits (SPI through DMA, manual malloc buffer, double frame-buffer)
 - Achieve 30fps@240*240 resolution with acceptable RAM and ROM usage

99 pertinent⁵

IELTS_Ver2_00_noline_noc...

- He asked me a lot of very pertinent
- The questions were pertinent to the discussion and helped to clarify the topic.
- pertinent data

100 certify⁶

- The accounts were certified by an auditor.
- The company certified the technician to ensure he was qualified to repair their equipment.

101 revenue⁵

- advertising revenue
- Strikes have cost £20 million in lost revenues .
- The company's revenue increased by
- 20% last quarter.
- tax revenue
- sales revenue revenue and expenditure
- inland revenue
- fiscal revenue

insurance⁶

- Your father took out insurance to cover the mortgage.
- The small business owner purchased insurance to protect against potential losses.
- insurance company
- medical insurance health insurance
- life insurance
- social insurance insurance industry

103 authority 7

- an agreement between the US and Colombian authorities
- · The principal exercised his authority over the school by enforcing strict rules and regulations.
- competent authority 【法】主管当 局,主管部门
- authority on 有关…的权威; …的专
- local authority 地方当局; 地方政权
- administrative authority 行政当局
- tax authority 税务机关
- public authority 公共机关;政府当

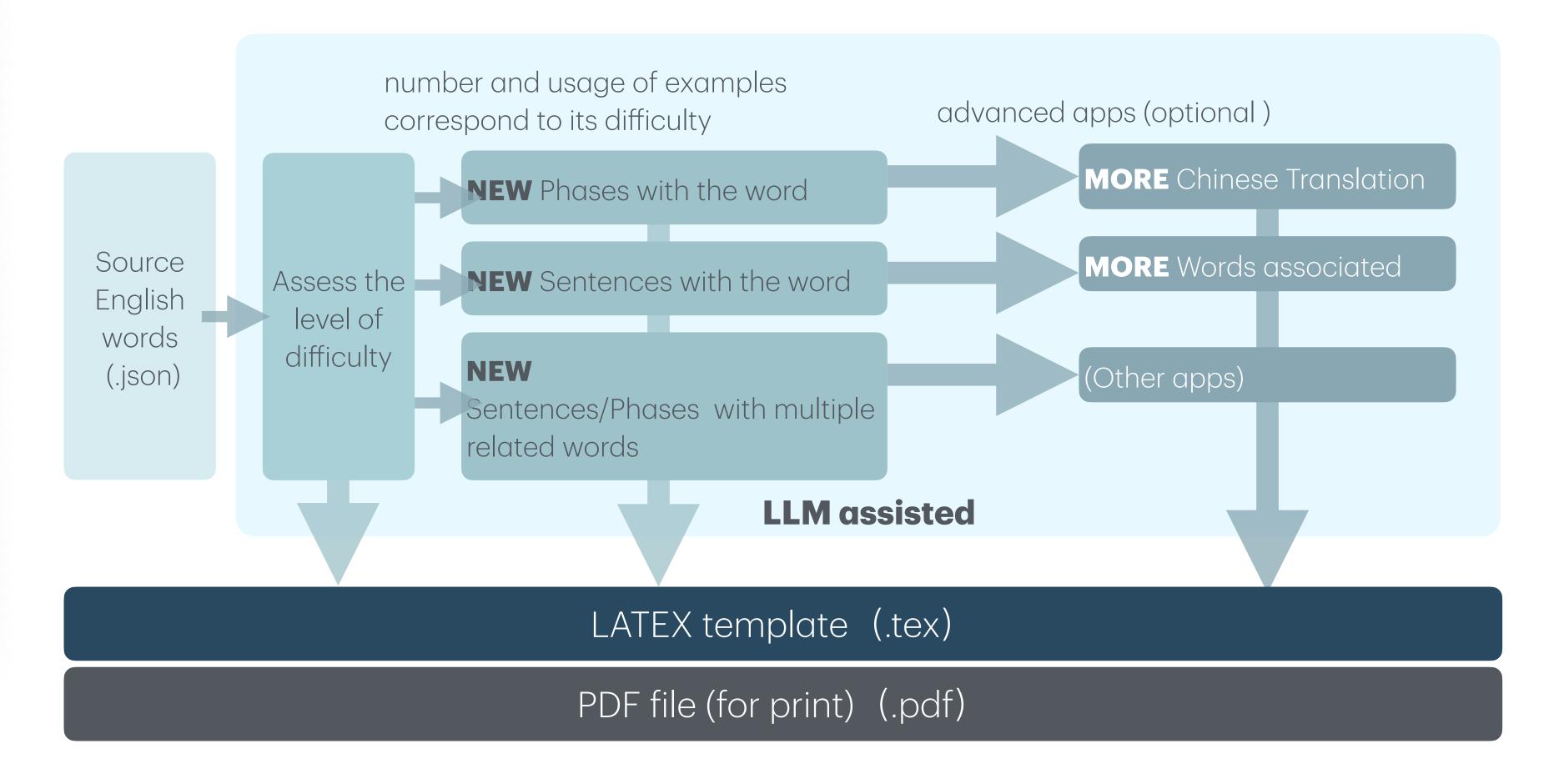
104 endorse^6

• I can endorse their opinion whole-

MEMORIZE: LLM Assisted Word Memorization

Generate example sentences of varying difficulty for words Create Latex-formatted documents.

- Local large language model
- Assess the difficulty of words in real contexts (rather than based on word length), with the difficulty level indicated by the number in the top right corner.





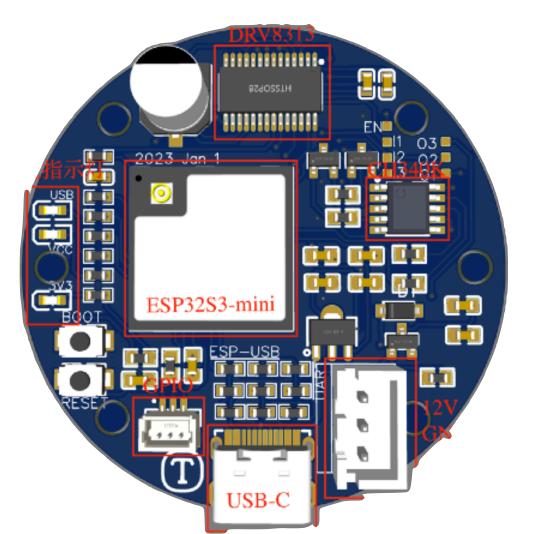
Brushless motor drive controller TAng Published on 2023-02-02

¥0 Download my plan

Brushless Motor Drive Control Board

High performance BLDC driver with FOC algorithm

Achieve 318 sales, ranking in the top 5% of the JLC·Hardware Community.



- ESP32-S3 SOC
- DRV8313 driver (MOS integrated)
- AS5600 magnetic encoder
- Program with C/C++
- Port FOC algorithm (with open-source SimpleFOC)
- Wi-Fi/BLE for command and debug