

Series Product Naming Rules

Example:	CH32	V	303	R	8	T	6
Device family							
F = Arm core, general-purpose MCU							
V = QingKe RISC-V core, general-purpose MCU							
L = QingKe RISC-V core, low-power MCU							
X = QingKe RISC-V core, dedicated or special peripherals MCU							
M = QingKe RISC-V core, built-in pre-drive motor MCU							
Product type (*) + product subseries (*)							

Product type	Product subseries
0 = QingKe V2/V4 core, Super value version, system frequency <=48M	02 = 16K Flash memory super value general-purpose 03 = 16K Flash basic general-purpose, OPA 05 = 32K Flash enhanced general-purpose, OPA, dual serial port 06 = 64K Flash versatile, OPA, dual serial port, TKey 07 = Basic motor application, OPA+CMP 35 = Connection, USB, USB PD/Type-C 33 = Connection, USB
1 = M3/QingKe V3/V4 core, Basic version, system frequency <=96M	03 = Connection, USB 05 = Connection, USB HS, SDIO, CAN 07 = Interconnected, USB HS, CAN, Ethernet, SDIO, FSMC
2 = M3/QingKe V4 non-floating-point core, Enhanced, system frequency <=144M	08 = Wireless, BLE5.x, CAN, USB, Ethernet 17 = Interconnected, USB HS, CAN, Ethernet (built-in PHY), SDIO, FSMC
3 = QingKe V4F floating-point core, Enhanced,	

system frequency <=144M

Pin number

J = 8 pins D = 12 pins A = 16 pins F = 20 pins E = 24 pins
 G = 28 pins K = 32 pins T = 36 pins C = 48 pins R = 64 pins
 W = 68 pins V = 100 pins Z = 144 pins

Flash memory size

4 = 16K Flash memory 6 = 32K Flash memory 7 = 48K Flash memory
 8 = 64K Flash memory B = 128K Flash memory C = 256K Flash memory

Package

T = LQFP U = QFN R = QSOP P = TSSOP M = SOP

Temperature range

6 = -40°C~85°C (industrial-grade) 7 = -40°C~105°C (automotive-grade 2)
 3 = -40°C~125°C (automotive-grade 1) D = -40°C~150°C (automotive-grade 0)