



Nuvoton 8-bit 8051 MCU

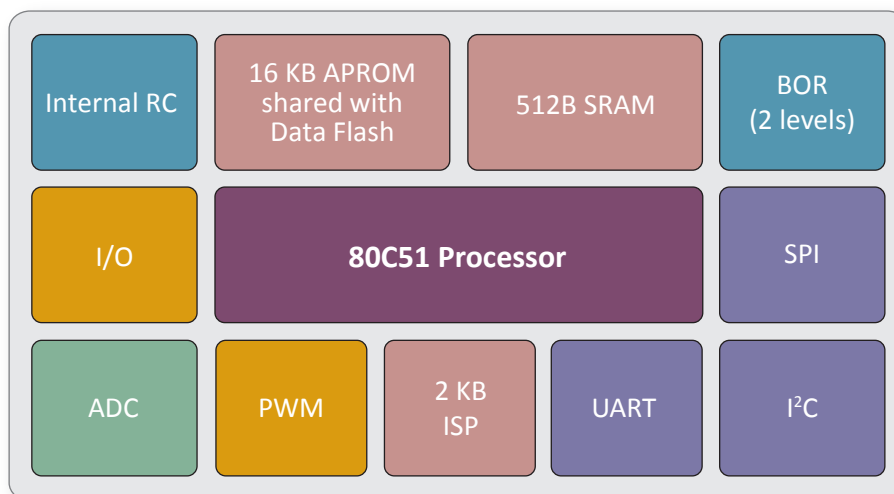
Low Pin Count 8051 Series



N79E715 8051 MCU for Small HA

Applications

- ◆ Induction Cooker
- ◆ Rice Cooker
- ◆ Electric Pressure Cooker
- ◆ Range Hood



Selection Guide

Part No.	Flash (Kbytes)	SRAM (bytes)	Data Flash (Kbytes)	ISP ROM (Kbytes)	I/O	Timer (16-bit)	Connectivity			Comp.	PWM (10-bit)	ADC (10-bit)	INT	ICP ISP IAP	Special Function	Package
							UART	SPI	I ² C							
N79E715 Series																
N79E715AS28	16	512	Configurable	2	up to 25	3	1	1	1	-	4	8	2	ICP, ISP	22 MHz internal RC, KBI, BOR	SOP28
N79E715AS20	16	512	Configurable	2	up to 17	3	1	1	1	-	4	7	2	ICP, ISP	22 MHz internal RC, KBI, BOR	SOP20
N79E715AS16	16	512	Configurable	2	up to 13	3	1	-	1	-	4	4	2	ICP, ISP	22 MHz internal RC, KBI, BOR	SOP16

Contact us: MicroC-8bit@nuvoton.com

❖ Features of N79E715 Series

◆ Core

- 4T 8051 processor
- Max frequency of 24 MHz
- Operating voltage: 2.4V~5.5V
- Temperature range: -40°C ~ +85°C

◆ Memory

- 16 Kbytes Flash memory for program memory (APROM)
- 512 bytes embedded SRAM
- Configurable size Data Flash (shared with APROM)
- ISP (In-System Programming)
- ICP (In-Circuit Programming)

◆ ADC

- Up to 8 channels
- 10-bit resolution
- Up to 150 KSPS

◆ Connectivity

- Up to two UARTs
- One I²C (up to 400 kHz)
- Up to two SPIs (up to 1.25 MHz)

◆ Clock Control

- 4 ~ 24 MHz crystal oscillator
- 22.1184 MHz internal oscillator (HIRC) (1% accuracy at 25°C, 5V)
- 22.1184 or 11.0592 MHz internal oscillator configurable