



THE DATASHEET OF MINI52ZAN





Nuvoton NuMicro™ Family

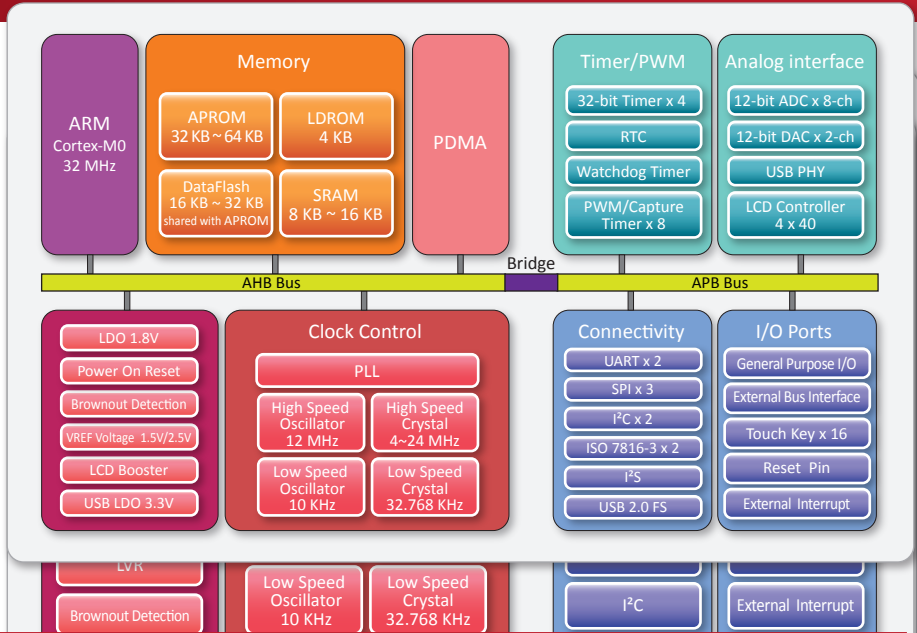
NuMicro Nano™ Series

Ultra low power Cortex™-M0 MCU for battery-powered devices equipped with LCD and USB

LOW POWER CORTEX™-M0 MCU

Applications

- ◆ Wireless Audio Gaming
- ◆ Access RF433 Remote Control
- ◆ Security Alarm System
- ◆ ZigBee Wireless Sensor Networks
- ◆ Industrial Control
- ◆ Handheld GPS Sport Equipment
- ◆ Embedded Medical Application
- ◆ Harmonic Radiation System
- ◆ Communication System
- ◆ Embedded System
- ◆ USB Outsourcing System
- ◆ Smart Building Control
- ◆ General Purpose Control
- ◆ BLDC Motor Control
- ◆ Utility Metering





Selection Guide

Part No.	Flash	SRAM	Data Flash Share AP ROM	ISP Loader ROM	I/O	Timer	Connectivity				I ² S	PWM	12 bit ADC	RTC	EBI	IRC 10KHz/12MHz	PDMA	LCD	12 bit DAC	Smart Card	Touch Key	ISP ICP	Package
							UART	SPI	I ² C	USB													
Nano100 Base Line																							
NANO100LC2AN	32K	8K	0~16K	4K	up to 39	4x32-bit	2	3	2	-	1	4	8	v	-	v	4	-	2	2	4	v	LQFP48
NANO100LD2AN	64K	8K	0~32K	4K	up to 39	4x32-bit	2	3	2	-	1	4	8	v	-	v	4	-	2	2	4	v	LQFP48
NANO100LD3AN	64K	16K	0~32K	4K	up to 39	4x32-bit	2	3	2	-	1	4	8	v	-	v	4	-	2	2	4	v	LQFP48
NANO100SC2AN	32K	8K	0~16K	4K	up to 53	4x32-bit	2	3	2	-	1	8	8	v	v	v	4	-	2	2	8	v	LQFP64*
NANO100SD2AN	64K	8K	0~32K	4K	up to 53	4x32-bit	2	3	2	-	1	8	8	v	v	v	4	-	2	2	8	v	LQFP64*
NANO100VD2AN	64K	8K	0~32K	4K	up to 86	4x32-bit	2	3	2	-	1	8	8	v	v	v	4	-	2	2	16	v	LQFP100
NANO100VD3AN	64K	16K	0~32K	4K	up to 86	4x32-bit	2	3	2	-	1	8	8	v	v	v	4	-	2	2	16	v	LQFP100
Nano 110 LCD Line																							
NANO110VC2AN	32K	8K	0~16K	4K	up to 46	4x32-bit	2	2	2	-	1	8	8	v	-	v	4	4x40	2	2	16	v	LQFP100
NANO110VD2AN	64K	8K	0~32K	4K	up to 46	4x32-bit	2	2	2	-	1	8	8	v	-	v	4	4x40	2	2	16	v	LQFP100
NANO110VD3AN	64K	16K	0~32K	4K	up to 46	4x32-bit	2	2	2	-	1	8	8	v	-	v	4	4x40	2	2	16	v	LQFP100
Nano 120 USB Connectivity Line																							
NANO120LC2AN	32K	8K	0~16K	4K	up to 35	4x32-bit	2	3	2	1	1	4	8	v	-	v	4	-	2	2	4	v	LQFP48
NANO120LD2AN	64K	8K	0~32K	4K	up to 35	4x32-bit	2	3	2	1	1	4	8	v	-	v	4	-	2	2	4	v	LQFP48
NANO120LD3AN	64K	16K	0~32K	4K	up to 35	4x32-bit	2	3	2	1	1	4	8	v	-	v	4	-	2	2	4	v	LQFP48
NANO120SC2AN	32K	8K	0~16K	4K	up to 49	4x32-bit	2	3	2	1	1	8	8	v	-	v	4	-	2	2	8	v	LQFP64*
NANO120SD2AN	64K	8K	0~32K	4K	up to 49	4x32-bit	2	3	2	1	1	8	8	v	-	v	4	-	2	2	8	v	LQFP64*
Nano 130 Advance Line (USB+LCD)																							
NANO130VC2AN	32K	8K	0~16K	4K	up to 41	4x32-bit	2	2	2	1	1	8	8	v	v	v	4	4x40	2	2	16	v	LQFP100
NANO130VD2AN	64K	8K	0~32K	4K	up to 41	4x32-bit	2	2	2	1	1	8	8	v	v	v	4	4x40	2	2	16	v	LQFP100
NANO130VD3AN	64K	16K	0~32K	4K	up to 41	4x32-bit	2	2	2	1	1	8	8	v	v	v	4	4x40	2	2	16	v	LQFP100

Contact us: NuMicro@nuvoton.com
 Contact us: www.nuvoton.com

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