ARM® Cortex®- M

32-bit Microcontroller

NuMicro® Family
ISP Programming Tool
Revision History

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1 Revision History

Version	Release Date	Description
4.18	**2026/04/24**	• Modify config setting of M3333, M3334 series • Added supported microcontroller: – M2003 series – KM1M2 series – M3333SGAAE, M3333LGAAE, M3333YGAAE, M3333TGAAE for M3333 series – M3334SGAAE, M3334LGAAE, M3334YGAAE, M3334TGAAE for M3334 series – TX110VE3BN for Nano110 series
4.17	**2026/03/13**	• Support Nu-Link2/Nu-Link3 offline isp feature. • Updated chip database version to V1.0.0.87 for NuVoice series. • Added supported microcontroller: – M3351 series – Nano100NC2BN for Nano100 series – M3333YIGAE, M3333YGGAE for M3333 series – M3334YIGAE, M3334YIGAE for M3334 series – M55M1R2LNAE for M55M1 series – M464SGCAE for M464 series
4.16	**2025/07/11**	• Added supported microcontroller: – M3331 series – M2U51 series – M252WD2AE for M252 series
4.15	**2025/03/27**	• Updated chip database version to V1.0.0.78 for NuVoice series. • Added supported microcontroller: – M0564SSAE for M0564 series – NSPD5ZD4AE – M55M1H3H2LJAE, M55M1H3K2LJAE, M55M1H3R2LJAE for M55M1 series – M5531H2LJAE for M5531 series – M2354CJFBE, M2354CJFAE, M2354KJFBE, M2354SJFBE, M2354LJFBE for M2354 series – M2A23SD5AC, M2A23LD5AC, M2A23YD5AC for M2A23 series
4.14	**2025/01/20**	• Updated chip database version to V1.0.0.76 for NuVoice series. • Added supported seires: – M2A23 series • Added supported microcontroller: – MG51LD1AE, MG51TD1AE, MG51PD1AE, MG51LC1AE,

		MG51TC1AE, MG51PC1AE, MG51EC1AE for MG51 series – M55M1H2LJAE, M55M1K2LJAE, M55M1R2LJAE for M55M1 series – M5531K2LJAE, M5531R2JIAE, M5531R2LJAE for M5531 series
4.13	**2024/01/26**	• Added supported seires: – M55M1 series • Added supported microcontroller: – M2L31SG4AE, M2L31SE4AE, M2L31LG4AE, M2L31LE4AE, M2L31LD4AE, M2L31YG4AE, M2L31YE4AE, M2L31YD4AE, M2L31ZE4AE, M2L31ZD4AE, M2L31XD4AE for M2L31 series • Added new USB VID_0x0416 PID_0x2009 for Nu-Link2-Me ISP-I2C
4.12	**2023/10/20**	• Added interfaces: – LIN interface – Wifi interface – BLE interface
4.11	**2023/08/02**	• Added supported seires: – M2L31 series. – MG51 series – N76S003 • Added supported microcontroller: – M463K3GCAC, M463S3GCAC, M463L3GCAC for M460 series – M253ZE3BE, M253LD3BE, M253LE3BE for M253 series
4.10	**2022/10/25**	• Added supported seires: – N574 series. – NM1800 series. – NUC1263 series • Added supported microcontroller: – NUC029MDE for NUC029 series – M0A23OC1ACU and M0A23EC1ACU for M0A21 series.
4.09	**2022/07/19**	• Added new USB VID_0x0416 PID_0x2006 for Nu-Link2-Pro (firmware version >= 7380r)
4.07	**2021/12/06**	• Added supported microcontroller: – NuMicro M0 Family: M031G series, N32F030 series and NM18407Y. – NuMicro M23 Family: NUC1262 series, M256D series and M258G series. – NuMicro M4 Family: M460 series • Added supported new Nu-Link2 USB product ID “0x5203” • Added new programming option for command line mode. – Added SPI programming option.

		– Added Data Flash programming option.
4.03	**2020/12/03**	• Added supported microcontroller: – NuMicro M0 Family: NM1240, M030G, M0A21 and M071 series. – NuMicro M23 Family: M253, M258 and M2354 series. – NuMicro M4 Family: M487KMCAN, M471 and M479 series. – NuMicro 8051 Family: ML56 series. • Added SPI programming options. • Added command line function for HID and UART interfaces.
3.05	**2019/10/16**	• Supported TF5100 for Motor MCU. • Supported M480LD for NuMicro M4 series. • Supported M252 for NuMicro M23 series. • Supported NUC1311 for NuMicro M0 series. • Supported M031G&I for NuMicro M0 series. • Modified DialogConfiguration_I94000 CONFIG1 reserved bit to 0. • Added lost NUC029NAN flash information in FlashInfo.cpp. • Supported M261 for NuMicro M23 series. • Supported Nu-Link2 ISP-Bridge functionality. • Updated chip database version from V1.0.0.9 to V1.0.0.35 for NuVoice series. • Removed Visual Studio 2008 ISP project file. The ISPTool samples repository is available on GitLab. https://gitlab.com/OpenNuvoton/nuvoton-tools/ISPTool
2.06	**2019/03/13**	• Added support for NM1230 series. • Added support for NUC029xGE series. • Added support for M031 series. • Added support for ML51 series. • Added support for NUC1261 series. • Added support for MS51 series. • Added 8051-1T series ISP sample codes.
2.05	**2018/09/05**	• Added support for M4521 series. • Added M480 USBD High-Speed ISP Sample. • Added support for NUC2201 series. • Added support for NUC029xDE series. • Added support for NUC029xEE series. • Removed entry pin restriction for ISP_USCI_UART samples. (NM1120 and Mini57) • Added support for M2351 series.
2.04	**2018/03/29**	• Added support for M480 series. • Fixed NUC123 external clock bring up issue.

		• Fixed Mini58 reset failed issue caused by external clock stable bit. • Supplied Visual Studio 2008 ISP project. • Updated User Configuration Options for Nano100AN, Nano103, NUC123 and M051 series. • Added an option to reset and run code in APROM. • Updated NUC100BSP and NUC200BSP to fix USBD driver Zero Flag issue. • Added support for NuVoice chips include I91000, I91200, I94100, ISD9100 and N575 series. • Added support for NM1200_NM1100 series. The ISPTool samples repository is available on GitHub and GITEE. Please check the following link to get the latest update. https://github.com/OpenNuvoton/ISPTool https://gitee.com/OpenNuvoton/ISPTool
2.03	**2017/06/21**	• Updated Mini51BSP, Mini55BSP, Mini58BSP, Nano100A_BSP, Nano100B_BSP, Nano103BSP and NUC472_442BSP drivers to fix known issues. • Added support for M0564, NUC126 and NUC121 series. • Added backward capability for legacy ISP firmware. • Added support for NUC505 IAP function in MTP mode. • Added an option to specify Data Flash address for 8051 1T series. • Fixed the USB surprise removal issue. • Added support for Mini57 and Nano102_112 series.
2.00	**2016/09/01**	• Updated all BSP versions to fix known issue. • Fixed bug in Data Flash programming error for all series. • Fixed bug in CONFIG programming for NUC472_442 series. • Changed USB PID to 0x3F00. • Supported all M0, M4 and 8051-1T series in ISP Tool.
1.47	**2015/07/28**	• Supported PC tool and Firmware source code in “(1) Application Program” and “(2) Nuvoton Standard ISP Code” folder. • Supported M0519, NM1500, NM1200, Mini58 and NUC123AE series. • Supported NUC505 IAP function (non-FMC type of ISP). • Updated NUC029xAN firmware to use internal clock. • Fixed the firmware bug “jumping to APROM failed when ISP time-out happened” in NUC472 and ISD9100 series. • Fixed the bug in ISP PC tool for incorrect NUC120LC1DN flash size. • Supported NUC505 I2C Master and I2C Slave ISP firmware. • Supported NUC029xAN UART Master ISP firmware.
1.46	**2014/11/28**	• Supported NUC472 ISP connected via Ethernet interface. • Supported Mini51X, ISD9100, M45xD and M45xC series.
1.45.1	**2014/07/31**	• Supported NUC131 and M0518 series.

1.45	**2014/06/10**	• Added M451 Series and NUC029 support. • Added the form of the hardware connection for COM port or USB interface. • Modified description for Hardware Connection for 'ISP through COM Port or USB'.
1.44	**2014/01/20**	• Added Mini51BN, MINI51DE, M051CN, M051DE, NUC200, and Nano112 support. • Added the User Configuration form for M051AN/BN, M051CN/DE, MINI51AN, MINI51BN, MINI51DE, Nano100, Nano112, NUC100, NUC122, NUC123, and NUC200 series. • Updated the project file format to include APROM and Data Flash images file body, not only file path. • Removed "Erase Flag", which causes Data Flash be erased. Also, updated all ISP firmware to version 2.4. • Provided Nano112 ISP firmware.
1.42.1	**2012/08/28**	• Added NUC123 support.
1.41.3	**2011/11/17**	• Modified Data Flash base address error for Nano100 and Mini51 series.
1.41.2	**2011/08/29**	• Supported Nano100 and Mini51 series.
1.41	**2011/04/29**	• Supported ISP project file.
1.40	**2011/03/21**	• Updated Nuvoton Standard ISP Code to v2.3, which Integrated the 'ISP through COM port' and 'ISP through USB' function for NUC120/140/101, and improved the operation stability. • Added 'Erase Flag' for erasing control of Data Flash during ISP operation. • Fixed some application program bugs.
1.32	**2010/12/08**	• Preliminary version.

2 Supported Microcontroller - NuMicro® Family

Product Line	Series	Part Number
NuMicro® 8051 Family	MG51	MG51XB9AE, MG51XB9BE, MG51FB9AE, MG51XC9AE, MG51XC9BE, MG51FC9AE, MG51LD1AE, MG51TD1AE, MG51PD1AE, MG51LC1AE, MG51TC1AE, MG51PC1AE, MG51EC1AE
	ML51	ML51BB9AE, ML51DB9AE, ML51FB9AE, ML51OB9AE, ML51XB9AE, ML51EB9AE, ML51UB9AE, ML51PB9AE, ML51TB9AE, ML51EC0AE, ML51UC0AE, ML51PC0AE, ML51TC0AE, ML51TD1AE, ML51LD1AE, ML51SD1AE
	ML54	ML54MD1AE, ML54LD1AE, ML54SD1AE
	ML56	ML56MD1AE, ML56LD1AE, ML56SD1AE
	MS51	MS51BA9AE, MS51DA9AE, MS51XB9AE, MS51XB9BE, MS51FB9AE, MS51FC0AE, MS51XC0BE, MS51EC0AE, MS51TC0AE, MS51PC0AE, MS51EB0AE
	N76E003	N76E003AT20, N76E003AS20, N76E003AQ20, N76E003BQ20, N76E003CQ20
	N76E616	N76E616AL48, N76E616AF44, N76E616AM44
	N76E885	N76E885AT28, N76E885AT20, N76E885AQ20, N76E885AS28
	N76S003	N76S003AQ20, N76S003AT20
NuMicro® M0 Family	Mini51	MINI51LAN, MINI51ZAN, MINI51TAN, MINI51LDE, MINI51QDE, MINI51ZDE, MINI51TDE, MINI51FDE
	Mini52	MINI52LAN, MINI52ZAN, MINI52TAN, MINI52LDE, MINI52QDE, MINI52ZDE, MINI52TDE, MINI52FDE
	Mini54	MINI54LAN, MINI54ZAN, MINI54TAN, MINI54LDE, MINI54QDE, MINI54ZDE, MINI54TDE, MINI54FDE, MINI54FHC
	Mini55	MINI55LDE, MINI55ZDE, MINI55TDE
	Mini57	MINI57EDE, MINI57FDE, MINI57XDE, MINI57TDE
	Mini58	MINI58FDE, MINI58LDE, MINI58QDE, MINI58TDE, MINI58ZDE
	M029G	M029GGC0AE
	M030	M030TD2AE, M030LD2AE, M030FD2AE
	M030G	M030GGD1AE, M030GTD1AE, M030GGC1AE, M030GTC1AE, M030GGC0AE, M030GTC0AE
	M031	M031BTYD2AN, M031BTYE3AN, M031LE3AE, M031SE3AE, M031TE3AE, M031TD2AE, M031LD2AE, M031LC2AE, M031SD2AE, M031SC2AE, M031FC1AE, M031EC1AE, M031TC1AE, M031FB0AE, M031EB0AE, M031TB0AE, M031SIAAE, M031KIAAE, M031LG8AE, M031SG8AE, M031KG8AE, M031LG6AE, M031SG6AE, M031KG6AE
	M031G	M031GGD2AE, M031GTD2AE, M031GGC2AE, M031GTC2AE, M031GGC1AE, M031GTC1AE

	M032	M032LE3AE, M032SE3AE, M032SIAAE, M032KIAAE, M032LG8AE, M032SG8AE, M032KG8AE, M032LG6AE, M032SG6AE, M032KG6AE, M032TD2AE, M032LD2AE, M032LC2AE, M032FC1AE, M032EC1AE, M032TC1AE
	M051	M0516LAN, M0516ZAN, M0516LBN, M0516ZBN, M0516LDN, M0516ZDN, M0516LDE, M0516ZDE
	M0515	M0515LDE
	M0518	M0518LD2AE, M0518LC2AE, M0518SD2AE, M0518SC2AE
	M0519	M0519LD3AE, M0519LE3AE, M0519SD3AE, M0519SE3AE, M0519VE3AE
	M052	M052LAN, M052ZAN, M052LBN, M052ZBN, M052LDN, M052ZDN, M052LDE, M052ZDE
	M054	M054LAN, M054ZAN, M054LBN, M054ZBN, M054LDN, M054ZDN, M054LDE, M054ZDE
	M0564	M0564LE4AE, M0564LG4AE, M0564SE4AE, M0564SG4AE, M0564VG4AE, M0564SSAE
	M058	M058LAN, M058ZAN, M058LBN, M058ZBN, M058LDN, M058ZDN, M058LDE, M058ZDE, M058MDE
	M058S	M058SLAN, M058SZAN, M058SSAN, M058SFAN
	M071	M071MC2AE, M071MD2AE, M071R1D3AE, M071R1E3AE, M071SD3AE, M071SE3AE, M071VG4AE
	M0A21	M0A21OB1AC, M0A21OC1AC, M0A21EB1AC, M0A21EC1AC
	M0A23	M0A23OC1AC, M0A23EC1AC, M0A23OC1ACU, M0A23EC1ACU
	NDA102	NDA102SD2, NDA102UD2, NDA102TD2, NDA102SE3
	NUC029	NUC029NAN, NUC029LAN, NUC029TAN, NUC029CIG1, NUC029ZAN, NUC029TAE, NUC029FAE, NUC029LDE, NUC029SDE, NUC029LEE, NUC029SEE, NUC029LGE, NUC029SGE, NUC029KGE
	NUC100	NUC100LE3AN, NUC100LD3AN, NUC100RE3AN, NUC100RD3AN, NUC100VE3AN, NUC100VD3AN, NUC100VD2AN, NUC100LE3DN, NUC100LD3DN, NUC100LD2DN, NUC100LD1DN, NUC100LC1DN, NUC100RE3DN, NUC100RD3DN, NUC100RD2DN, NUC100RD1DN, NUC100RC1DN, NUC100VE3DN, NUC100VD3DN, NUC100VD2DN, NUC100VE3DE
	NUC120	NUC120LE3AN, NUC120LD3AN, NUC120RE3AN, NUC120RD3AN, NUC120VE3AN, NUC120VD3AN, NUC120VD2AN, NUC120LE3DN, NUC120LD3DN, NUC120LD2DN, NUC120LD1DN, NUC120LC1DN, NUC120VE3DN, NUC120VD3DN, NUC120VD2DN, NUC120RE3DN, NUC120RD3DN, NUC120RD2DN, NUC120RD1DN, NUC120RC1DN, NUC120LD2DE
	NUC121	NUC121ZC2AE, NUC121LC2AE, NUC121SC2AE, NUC121WC2AE, NUC121Y25CN
	NUC122	NUC122LD2AN, NUC122LC1AN, NUC122SD2AN, NUC122SC1AN, NUC122ZD2AN, NUC122ZC1AN, NUC122ZD2DN, NUC122LD2DN, NUC122SD2DN, NUC122ZC1DN, NUC122LC1DN, NUC122SC1DN

	NUC123	NUC123SC2AN1, NUC123SD4AN0, NUC123LC2AN1, NUC123LD4AN0, NUC123ZC2AN1, NUC123ZD4AN0, NUC123SC2AE1, NUC123SD4AE0, NUC123LC2AE1, NUC123LD4AE0, NUC123ZC2AE1, NUC123ZD4AE0
	NUC125	NUC125ZC2AE, NUC125LC2AE, NUC125SC2AE
	NUC126	NUC126LE4AE, NUC126LG4AE, NUC126SE4AE, NUC126SG4AE, NUC126VG4AE, NUC126NE4AE
	NUC1261	NUC1261NE4AE, NUC1261LE4AE, NUC1261LG4AE, NUC1261SE4AE, NUC1261SG4AE
	NUC130	NUC130LE3CN, NUC130LD2CN, NUC130LC1CN, NUC130RE3CN, NUC130RD2CN, NUC130RC1CN, NUC130VE3CN
	NUC131	NUC131LD2AE, NUC131LC2AE, NUC131SD2AE, NUC131SC2AE, NUC131LD2AEU, NUC131LC2AEU, NUC131SD2AEU, NUC131SC2AEU
	NUC1311	NUC1311LD2AE, NUC1311LC2AE
	NUC140	NUC140LE3CN, NUC140LD2CN, NUC140LC1CN, NUC140RE3CN, NUC140RD2CN, NUC140RC1CN, NUC140VE3CN
	NUC200	NUC200LE3AE, NUC200LE3AN, NUC200LD2AN, NUC200LC2AN, NUC200VE3AN, NUC200SE3AN, NUC200SD2AN, NUC200SC2AN
	NUC220	NUC220LE3AE,NUC220LE3AN, NUC220LD2AN, NUC220LC2AN, NUC220VE3AN, NUC220SE3AN, NUC220SD2AN, NUC220SC2AN
	NUC2201	NUC2201LE3AE, NUC2201SE3AE
	NUC230	NUC230LC2AE, NUC230LD2AE, NUC230LE3AE, NUC230SC2AE, NUC230SD2AE, NUC230SE3AE, NUC230VE3AE
	NUC240	NUC240LC2AE, NUC240LD2AE, NUC240LE3AE, NUC240SC2AE, NUC240SD2AE, NUC240SE3AE, NUC240VE3AE
	Nano100	Nano100ZD3AN, Nano100ZD2AN, Nano100VD3AN, Nano100VD2AN, Nano100SD3AN, Nano100SD2AN, Nano100LD3AN, Nano100LD2AN, Nano100ZC2AN, Nano100SC2AN, Nano100LC2AN, Nano100KE3BN, Nano100SE3BN, Nano100LE3BN, Nano100KD3BN, Nano100SD3BN, Nano100SD2BN, Nano100LD3BN, Nano100LD2BN, Nano100SC2BN, Nano100LC2BN, Nano100NE3BN, Nano100ND3BN, Nano100ND2BN, Nano100WE3BN, Nano100NC2BN
	Nano102	Nano102ZB1AN, Nano102ZC2AN, Nano102LB1AN, Nano102LC2AN, Nano102SC2AN
	Nano103	Nano103ZD3AE, Nano103LD3AE, Nano103SD3AE
	Nano110	Nano110KE3BN, Nano110SE3BN, TX110VE3BN, Nano110KD3BN, Nano110KD2BN, Nano110SD3BN, Nano110SD2BN, Nano110KC2BN, Nano110SC2BN, Nano110RC2BN, Nano110RD2BN, Nano110RD3BN
	Nano112	Nano112LB1AN, Nano112LC2AN, Nano112SB1AN, Nano112SC2AN, Nano112RB1AN, Nano112RC2AN, Nano112VC2AN
	Nano120	Nano120VD3AN, Nano120VD2AN, Nano120SD3AN, Nano120SD2AN, Nano120LD3AN, Nano120LD2AN, Nano120SC2AN, Nano120LC2AN, Nano120ZD3AN, Nano120ZD2AN, Nano120ZC2AN, Nano120KE3BN, Nano120SE3BN, Nano120LE3BN,

		Nano120KD3BN, Nano120SD3BN, Nano120SD2BN, Nano120LD3BN, Nano120LD2BN, Nano120SC2BN, Nano120LC2BN
	Nano130	Nano130VD3AN, Nano130KE3BN, Nano130SE3BN, Nano130KD3BN, Nano130KD2BN, Nano130SD3BN, Nano130SD2BN, Nano130KC2BN, Nano130SC2BN
NuMicro® M23 Family	**KM1M2**	KM1M2DF04R, KM1M2DF03R, KM1M2DF02R, KM1M2DF04N, KM1M2DF03N, KM1M2DF02N
	M2003	M2003FC1AE, M2003XC1AE, M2P481QC1AE, KN44490A, M2003SG6AE, M2003LG6AE, M2003RG6AE, M2003R1G6AE, M2003LE4AE, M2003TE4AE, M2003LD4AE, M2003TD4AE, M2003ED4AE, M2003VJ7AE, M2003SJ7AE, M2003VI7AE, M2003SI7AE
	M2351	M2351KIAAE, M2351SIAAE, M2351ZIAAE, M2351SFSIAAP, M2351CIAAE
	M2354	M2354KJFAE, M2354SJFAE, M2354LJFAE, M2354CJFBE, M2354CJFAE, M2354KJFBE, M2354SJFBE, M2354LJFBE
	M251	M251FC2AE, M251EC2AE, M251ZC2AE, M251SC2AE, M251LC2AE, M251SD2AE, M251LD2AE, M251ZD2AE, M251KE3AE, M251SE3AE, M251LE3AE, M251KG6AE, M251SG6AE, M251LG6AE
	M252	M252FC2AE, M252EC2AE, M252ZC2AE, M252SC2AE, M252LC2AE, M252SD2AE, M252LD2AE, M252ZD2AE, M252KE3AE, M252SE3AE, M252LE3AE, M252KG6AE, M252SG6AE, M252LG6AE, M252WD2AE
	M253	M253ZE3AE, M253LE3AE, M253LD3AE, M253ZE3BE, M253LE3BE, M253LD3BE
	M254	M254SD3AE, M254SE3AE, M254KE3AE, M254SD2AE, M254MD3AE, M254KG6AE, M254SG6AE
	M256	M256SE3AE, M256KE3AE, M256SD2AE, M256MD3AE, M256KG6AE, M256SG6AE
	M258	M258SE3AE, M258KE3AE, M258KG6AE, M258SG6AE
	M261	M261KIAAE, M261SIAAE, M261ZIAAE
	M262	M262KIAAE, M262SIAAE, M262ZIAAE
	M263	M263KIAAE, M263SIAAE, M263ZIAAE
	M2A23	M2A23SG5ACU, M2A23SG5AC, M2A23LG5ACU, M2A23LG5AC, M2A23YG5ACU, M2A23YG5AC, M2A23SE5ACU, M2A23SE5AC, M2A23LE5ACU, M2A23LE5AC, M2A23YE5ACU, M2A23YE5AC, M2A23SD5AC, M2A23LD5AC, M2A23YD5AC
	M2L31	M2L31KIDAE, M2L31KGDAE, M2L31SIDAE, M2L31SGDAE, M2L31SG4AE, M2L31SE4AE, M2L31LIDAE, M2L31LGDAE, M2L31LG4AE, M2L31LE4AE, M2L31LD4AE, M2L31YIDAE, M2L31YGDAE, M2L31YG4AE, M2L31YE4AE, M2L31YD4AE, M2L31ZE4AE, M2L31ZD4AE, M2L31CIDAE, M2L31CGDAE, M2L31XD4AE
	M2U51	M2U54KG6AE, M2U54KE4AE, M2U54AG6AE, M2U54AE4AE, M2U54SG6AE, M2U54SE4AE, M2U54YG6AE, M2U54YE4AE, M2U51YD3AE, M2U51YC2AE, M2U51TC2AE, M2U51EC2AE, M2U51FC2AE
	NSPD	NSPD5ZD4AE

	NUC1262	NUC1262NE4AE, NUC1262LE4AE, NUC1262SE4AE, NUC1262YE4AE
	NUC1263	NUC1263SD4AE, NUC1263LD4AE, NUC1263ND4AE, NUC1263ZD4AE, NUC1263SD4CE, NUC1263LD4CE, NUC1263ND4CE, NUC1263ZD4CE
NuMicro® M33 Family	**M3333**	M3333KIGAE, M3333KGGAE, M3333SIGAE, M3333SGGAE, M3333LIGAE, M3333LGGAE, M3333YIGAE, M3333YGGAE, M3333TIGAE, M3333TGGAE, M3333SGAAE, M3333LGAAE, M3333YGAAE, M3333TGAAE
	M3334	M3334KIGAE, M3334KGGAE, M3334SIGAE, M3334SGGAE, M3334LIGAE, M3334LGGAE, M3334YIGAE, M3334YGGAE, M3334TIGAE, M3334TGGAE, M3334SGAAE, M3334LGAAE, M3334YGAAE, M3334TGAAE
	M3351	M3351LJCAE, M3351YJCAE, M3351SJCAE, M3351VJCAE, M3351KJCAE, M3351LICAE, M3351YICAE, M3351SICAE, M3351VICAE, M3351KICAE
NuMicro® M4 Family	**M451**	M451VG6AE, M451VE6AE, M451RG6AE, M451RE6AE, M451LG6AE, M451LE6AE, M451RD3AE, M451RC3AE, M451LD3AE, M451LC3AE, M451MLG6AE, M451MLE6AE, M451MSD3AE, M451MSC3AE, M451MLD3AE, M451MLC3AE
	M452	M452VG6AE, M452VE6AE, M452RG6AE, M452RE6AE, M452LG6AE, M452LE6AE, M452RD3AE, M452LD3AE, M452LC3AE
	M4521	M4521SE6AE, M4521LE6AE
	M453	M453VG6AE, M453VE6AE, M453RG6AE, M453RE6AE, M453LG6AE, M453LE6AE, M453VD3AE, M453RD3AE, M453LD3AE, M453LC3AE,
	M460	M460KGCAE, M460SGCAE, M460LGCAE, M460YGCAE
	M463	M463KGCAE, M463VGCAE, M463SGCAE, M463LGCAE, M463YGCAE, M463S2GCAC, M463L2GCAC, M463K2GCAC
	M464	M464SGCAE
	M467	M467SJHAE, M467KJHAE, M467JJHAE, M467HJHAE, M467H3KJHAE, M467H3JJHAE, M467SJHAN, M467KJHAN, M467JJHAN, M467HJHAN, M467S2JHAE, M467K2JHAE, M467J2JHAE, M467H2JHAE
	M471	M471KI8AE, M471VI8AE, M471VG7AE, M471R1E6AE, M471R1D6AE, M471SE6AE, M471SD6AE, M471MD6AE, M471CI8AE
	M479	M479SG8AEE, M479LG8AEE, M479NG8AEE
	M481	M481SIDAE, M481LIDAE, M481ZIDAE, M481SGCAE, M481SE8AE, M481SGCAE2A, M481LGCAE, M481LGCAEU, M481LE8AE, M481ZGCAE, M481ZE8AE
	M482	M482KIDAE, M482SIDAE, M482LIDAE, M482ZIDAE, M482KGCAE, M482SGCAE, M482SE8AE, M482LGCAE, M482LE8AE, M482ZGCAE, M482ZE8AE
	M483	M483KIDAE, M483SIDAE, M483KGCAE, M483SGCAE, M483SE8AE, M483KGCAE2A, M483SGCAE2A
	M484	M484KIDAE, M484SIDAE, M484SIDAE2U
	M485	M485KIDAE, M485SIDAE, M485LIDAE, M485YIDAE, M485ZIDAE
	M487	M487JIDAE, M487KIDAE, M487SIDAE, M487KMCAN,

	M4LED	M4LEDRG6AE, M4LEDRE6AE, M4LEDLG6AE, M4LEDLE6AE
	M4TK	M4TKVG6AE, M4TKVE6AE, M4TKRG6AE, M4TKRE6AE, M4TKLG6AE, M4TKLE6AE
	NUC442	NUC442JI8AE, NUC442JG8AE, NUC442KI8AE, NUC442KG8AE, NUC442VI8AE, NUC442VG8AE, NUC442RI8AE, NUC442RG8AE
	NUC472	NUC472HI8AE, NUC472HG8AE, NUC472JI8AE, NUC472JG8AE, NUC472KI8AE, NUC472KG8AE, NUC472VI8AE, NUC472VG8AE
	NUC505	NUC505DLA, NUC505YLA, NUC505YLA2Y, NUC505DSA, NUC505DL13Y, NUC505DS13Y, NUC505YO13Y
NuMicro® M55 Family	**M55M1**	M55M1R2LNAE, M55M1H2LJAE, M55M1K2LJAE, M55M1R2LJAE, M55M1H3H2LJAE, M55M1H3K2LJAE, M55M1H3R2LJAE
	M5531	M5531H2LJAE, M5531K2LJAE, M5531R2LJAE, M5531R2JIAE
Motor Control	**NM1100**	NM1100XBAE, NM1100FBAE
	NM1120	NM1120FC1AE, NM1120EC1AE, NM1120XC1AE, NM1120ZC1AE
	NM1200	NM1200LBAE, NM1200TBAE, NM1200ZBAE
	NM1230	NM1234D, NM1232D, NM1220EBK0, NM1234Y, NM1232Y, NM1233D, NM1233Y
	NM1240	NM1243D48, NM1243Y48, NM1243Y NM1244D48, NM1244Y48, NM1244Y, NM18407Y, NM18402Y, NM18407SY
	NM1320	NM1320LC2AE
	NM1330	NM1330LC1AE, NM1330LD2AE
	NM1500	NM1510LC1AE, NM1520LC2AE, NM1520LD2AE, NM1520RC2AE, NM1520RD2AE, NM1530VD3AE, NM1530VE3AE, NM1530LE3AE
	NM1800	NM18002Y
	NM1810	NM18100Y, NM18101Y, NM18105Y, NM18107Y, NM1817NT
	NM1820	NM18200S, NM18201S, NM18202S, NM1820ZB0AE, NM18200D, NM18200Y, NM18201Y, NM18202Y
	NM1830	NM18307Y
	TF5100	TF5103D, TF5103Y, TF5102Y
	N32F030	N32F030D, N32F030Y, N32F030X

3 Supported Microcontroller - NuVoice® Family

Product Line	Series
Audio Control	I91000, I91200, I94100, ISD9100 , NSC128L42, N574, N575, N576 and N577

4 Resources

Website	Details
ISPTool on nuvoton.com	https://www.nuvoton.com/tool-and-software/software-development-tool/programmer/
	• Download the latest NuMicro ISP programming Tool. • View the ISPTool revision history.
ISPTool git repositories	https://github.com/OpenNuvoton/ISPTool https://gitee.com/OpenNuvoton/ISPTool https://gitlab.com/OpenNuvoton/nuvoton-tools/ISPTool
	• Check the source code of ISPTool.

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