Nu-Link Driver for Keil MDK
Revision History

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Version	Release Date	Description
3.22	2026/02/02	• Added supported microcontroller: – Nuvoton M0 Family: Nano100NC2BN, TX110VE3BN. – Nuvoton M23 Family: M2003G and KM1M2 series. – Nuvoton M33 Family: M3351 series. – Nuvoton M4 Family: N577 series. – Nuvoton M7 Family: KM1M7C series. – CM2052/CM2053 series. • Support Nu-Link2 V3. • Support Nu-Link3. • Nu-Link USB Driver update version to v1.12.
3.21	2025/07/17	• Added supported microcontroller: – Nuvoton M33 Family: M3331 series. – CM2U51 series.
3.20	2025/03/21	• Added supported microcontroller: – Nuvoton M23 Family: Support M2U51 series and NSPD5ZD4AE, M2A23SD5AC, M2A23LD5AC, M2A23YD5AC, M2354CJFBE, M2354KJFBE, M2354LJFBE. – Nuvoton M55 Family: Support M5531 series and M55M1H3H2LJAE, M55M1H3K2LJAE, M55M1H3R2LJAE, M5531H2LJAE.
3.19	2025/01/21	• Added supported microcontroller: – Nuvoton M55 Family: M55M1R2LJAE, M55M1K2LJAE, M55M1H2LJAE, M5531R2LJAE, M5531K2LJAE, M5531R2JIAE.
3.18	2024/12/10	• Added supported microcontroller: – Nuvoton M23 Family: NSC128 series. – CM2003 series.
3.17	2024/07/17	• Added supported microcontroller: – CM1003 series.
3.16	2024/05/31	• Added supported microcontroller: – Nuvoton M0+ Family: KM1M0D series. – Nuvoton M23 Family: M2A23 series. – Nuvoton 8051 Family: MG51D series. • Support HyperFlash for M55M1 series.
3.15	2024/01/31	• Added supported microcontroller: – Nuvoton M0+ Family: KM1M0G series. – Nuvoton M23 Family: NUC1263x4CE.

		– Nuvoton M4 Family: M433 series. – Nuvoton M55 Family: M55M1ES. – Nuvoton 8051 Family: MG51 64K. • LCDView plug-in add touch key emulation function.
3.14	2023/10/12	• Added supported microcontroller: – Nuvoton M0 Family: Add M0A86 series. (M0A86SD2AE) – Nuvoton M23 Family: NUC1262YE4AE, NDA102UD2, NDA102TD2 and M2003 series. – Nuvoton M4 Family: M463S2GCAC, M463L2GCAC, M481LGCAEU.
3.13	2023/08/03	• Added supported microcontroller: – Nuvoton M0 Family: NSC74 series. – Nuvoton M23 Family: M253ZE3BE, M253LD3BE, M253LE3BE, M256KG6AE, M256SG6AE. – Nuvoton M4 Family: M463K3GCAC. – Nuvoton 8051 Family: MG51 and N76S003 series. • Remove M2351/M2354 ICELOCK option.
3.12	2023/06/09	• Added supported microcontroller: – Nuvoton M23 Family: M2L31 series and M2351CIAAE. – Nuvoton M4 Family: M485YIDAE.
3.11	2023/02/17	• Added supported microcontroller: – Nuvoton M0 Family: NM18402Y, and M091 series. – Nuvoton M23 Family: NDA102SE3. – Nuvoton M4 Family: M471CI8AE, M467S2JHAE, M467K2JHAE, M467J2JHAE, M467H2JHAE, M467H3JJHAE. • Update LCDView plug-in version to v1.05.0004.
3.10	2022/11/15	• Added supported microcontroller: – Nuvoton M0 Family: M0A23OC1ACU, M0A23EC1ACU, M029GGC0AE, N5741K5. – Nuvoton M23 Family: NUC1263 series, M2354LJFCE. – Nuvoton M4 Family: KM1M4B series. – Nuvoton M7 Family: KM1M7C series. – Nuvoton 8051 Family: MUG51 and NM1800 series. • Renamed KM1M7 to KM1M7A/B.
3.09	2022/06/02	• Supported KEIL Studio beta version (Nu-Link2 family only, via WebUSB/CMSIS-DAP). • Supported SWO trace (Nu-Link2-Pro only, via UART Rx interface). • Supported ETM for Cortex-M7 (Nu-Link2-Pro only, via trace interface).
3.08	2021/12/24	• Added supported microcontroller: – Nuvoton M4 Family: M460 series.

		– Nuvoton M23 Family: M258G series. • Added disable firmware update option to Nu_Link_Driver.ini.

3.07	**2021/06/30**	• Added supported microcontroller:
		    – Nuvoton M7 Family: KM1M7 series.
		    – Nuvoton M0 Family: NM18407Y.
		• Supported SWO trace via UART mode [Nu-Link2-Pro, Nu-Link2-Me].

3.06	**2021/03/31**	• Added supported microcontroller:
		    – NuMicro M0 Family: M031G series, M032BTAIAAN, M032BTAG8AN, N32F030 series, N574 series, I91500 series.
		    – NuMicro M23 Family: NUC1262 series.

3.05	**2020/12/4**	• Added supported microcontroller: – NuMicro 8051 Family: MS51EB0AE.

3.04	**2020/9/24**	• Added supported microcontroller:
		    – NuMicro M0 Family: M031TE3AE.
		    – NuMicro M23 Family: M2351SFSIAAP.

3.03	**2020/7/17**	• Added supported microcontroller:
		    – NuMicro M0 Family:NUC131LC2AEU, NUC131SC2AEU, NUC131LD2AEU, NUC131SD2AEU, NUC029MDE, M030FD2AE, NM18307Y, M071 series, M030G series, M0A21 series, M0515, NM1240 and N569J series.
		    – NuMicro M23 Family: NDA102SD, M258, M2354 series.
		    – NuMicro M4 Family: M487KMCAN, M471 series.
		    – NuMicro 8051 Family: ML56 series.
		• KEIL software pack upgrade to v1.3.9 (Add M071, M0A21, M030G, M258, M471, NM1240) and cdb file.
		• Supported target chip auto detection.

3.02	**2020/2/1**	• Added supported microcontroller:
		    – NuMicro M4 Family: M48x8AE, M48xCAE, M479 series and M487KMCAN.
		    – NuMicro M0 Family: M031BTYE3AN, M030TD2AE, M030LD2AE, M031BTYD2AN, M058MDE, NM18202S, NM1232D, NM1220EBK0, NM1232Y.

3.01	**2019/9/30**	• Supported NUC1311, M032C/D for NuMicro M0 series. • Supported MR63 for NuMicro M23 series.
3.00	**2019/5/3**	• Added TF5100/ M031 (256/512 KB) for Cortex M0 series. • Added M261 for Cortex M23 series. • Supported Nu-Link2 ICE adapter.
2.06	**2019/02/26**	• Cortex-M – Supported M480LD for NuMicro M4 series.

		– Supported NM1230 for Motor MCU. – Added part number NUC029KGE/NUC029TAE for NuMicro M0 series. • C51 – Supported ML51/MS51 for NuMicro 8051 series. – Added PinView plug-in.
2.05	**2018/09/06**	• Cortex-M – Supported Nu-Link2 and NuTrace. – Supported NUC029DE/EE/GE, NUC2201, NUC1261, NDA102, M031, NM1230 for NuMicro M0 series. – Supported M4521 for NuMicro M4 series. – Added "Nuvoton Device Family Pack" of MDK5 in the installer, you must install "Nuvoton Device Family Pack" if you are using KEIL MDK Nuvoton edition. • C51 – Supported Nu-Link2 and NuTrace.
2.04.6725	**2018/04/03**	• Cortex-M – Improved download performance around 10~30%. – Enabled secure boot option for M480 series. • C51 – Added .ini file under project directory to save user configurations. – Supported SFR Page Selection and SPROM mapping.
2.03.6674	**2017/12/11**	• Supported M2351 for NuMicro M23 series. • Merged Nu-Link KEIL C51 driver.
2.02.6629	**2017/06/23**	• Supported NuConsole, it can show printf log on screen via SWD interface. Please check "NuConsole Plug-in" section of user manual in installation directory. • Supported Mini57 for NuMicro M0 series. • Supported M480 for NuMicro M4 series. • Supported I94000 for NuVoice series.
2.01.6592	**2017/01/13**	• Supported NUC121, NUC125, NUC126, M0564, NM1810 and I91200 series. • Enable SRAM access less than 0x20000000 of general chip type.
2.00.6561	**2016/07/22**	• Supported ISD9032 for NuVoice series. • Updated SFR file of NM1120, NM1330, NM1820, Nano103 and N570 for register display. • Fixed the issue that can't find FLM path of M451 40K and N570 series. • Fixed the issue that can't erase SPROM.
1.31.6535	**2016/02/01**	• Supported Nano103, NM1120, NM1330, NM1820 for NuMicro M0 series.

		• Supported M4TK for NuMicro M4 series. • Supported N575, N576 and N570 for NuVoice series. • Updated SFR file of Mini58DE, M451 and NUC505 for register display. • Supported spin button edition of data flash. • Added the selection of connect type (connect normal and connect under reset). • Modified the behavior of option "memory verify code" in "Debug" tab. If checked and downloaded code to SRAM, it will do code verification. • Supported breakpoint setting and memory window periodically updating while the CPU is running. • Supported data and conditional breakpoint functions completely.
1.30.6491	2015/07/21	• NUC230/240AE: Supported 8 KB LDROM (4 KB in previous version). • Mini58: Supported 2.5 KB LDROM (2 KB in previous version). • Nano112: Fixed ICE connection failed when target chip is in Power-down mode. • Supported Mini55LDE, Mini55ZDE for NuMicro M0 series. • NUC100, M051: Supported to keep previous Config0[10] value after whole chip erase. • Renamed NUC123BE to NUC123AE.
1.29.6425	2015/03/27	• Improved user interface to be resizable and scrollable. • Increased NUC505 download speed 3 times in 1 MHz ICE clock. • Replaced ICE clock 16 MHz with 12 MHz for compatibility issue. • Added part number: NUC220LE3AE. • Supported M0519, NM1320 and Mini58 for NuMicro M0 series. • Provided an option to install Bulk USB driver when Nu-Link driver installation completed.
1.28.6386	2015/01/14	• Supported USB Bulk mode which can improve downloading and programming speed on Win7. • Added part number: NUC120LD2DE. • Supported NUC029 for NuMicro M0 series. • Fixed Configure Setting dialog GUI for Nano102/112 series.
1.27.6340	2014/9/29	• Supported NUC505 for NuMicro M4 series. • Added part numbers: M4LEDRG6AE, M4LEDRE6AE, M4LEDLG6AE, M4LEDLE6AE. • Added part number: NUC100VE3DE.
1.26.6314	2014/07/21	• Supported M0518 for NuMicro M0 series. • Added M452 and M453 part number for M451 series.
1.25.6287	2014/05/22	• Supported NUC131 for NuMicro M0 series. • Supported M451 for NuMicro M4 series. • Supported ISD9300 for ISD series.

		• Supported one computer can be connected to 10 Nu-Link devices simultaneously.
		• Supported PinView function which can help user to debug and observe pin status on a user friendly GUI.
		• Added data breakpoint support.
		• Renamed the part number MT530 to NM1530.
1.24.6211	2014/01/16	• Supported Nano112AN and AU9110 for NuMicro M0 series.
		• Added chip support table in KEIL menu: Help -> Open Books Window -> Tools User's Guide -> Nu-Link Release Notes.
1.23.6103	2013/10/25	• Supported M051DN, M051DE, Mini51DE, NUC100EN, NUC200AE, MT500BE for NuMicro M0 series.
		• Supported NUC442/472 for NuMicro M4 series.
1.22.6040	2013/07/09	• Supported M058SAN, M051DN, NANO100AN and MINI51BN series.
		• Enabled user to edit core registers R0-R14 in KEIL registers panel.
		• Added an error message to terminate the download process if image size is larger than APROM size.
		• Added the boot select options "APROM (LDROM visible)" and "LDROM (APROM visible)" for NuMicro series chips.
		• Fixed the bug that selecting NUC1xx series and BOD set to 2.7V, and entering Debug mode will cause Keil crash.
1.21.5905	2012/12/27	• Fixed the display of 68k and 36k flash size.
		• Updated some naming and grouping of register.
		• Updated the database in target option.
1.20.5881	2012/12/19	• Separated NUC123 registers from NUC1xx.
		• Enabled the DFVSEN bit in config0.
		• Modified NUC1xxDN series config dialog header.
		• Removed the clock filter option from config file.
		• Added config0 and config1 value display in NUC100AN config dialog window.
		• Supported registers display of NUC100DN/NUC200AN series.
		• Updated register contents of M051CN series.
1.19.5786	2012/10/24	• Supported NUC100DN, NUC123, NUC200, NANO100BN, MT500, MINI51BN and M051CN series.
		• Added "System View Description" in the driver installer.
		• Modified the number of UART in NUC100RE3AN NUC100RD3AND to 2.
		• Integrated Viewer Tool.
1.18.5320	2011/11/17	• Supported C51 section in TOOLS.INI.
1.17.5218	2011/08/11	• Supported NANO100 and MINI51 series.
		• Supported to select multiple Nu-Links.

		• Renamed "Nu-Link Debugger" to "Nuvoton Nu-Link M0 Debugger". • Added a debug option "Not reset". • Updated to not to show firmware update dialog if Nu-Link firmware is compatible. • Fixed bugs about error when writing M051's LDROM. • Updated register definition for NUC100 CN.
1.05.5008	2011/05/04	• Supported M051 BN and NUC100 CN series. • Changed "external 12 MHz crystal clock" to "4-24 MHz". • Removed Simplified Chinese documents for Traditional Chinese installer. • Supported LED indication for USB/Target power. • Supported to adjust target power by Nu-Link pro. • Supported to debug the code around semihosting BKPT.
1.03.4228	2010/12/08	• Supported NUC122 series. • Fixed a bug to avoid Keil IDE lock in step debugging. • Supported semihosting command SYS_READ. • Fixed a bug to drive target chip to run when connected. • Fixed a bug to avoid crash when stopping debug. • Updated NUC100 registers script. • Supported to check update from network.
1.02.3814	2010/04/20	• Release primary version.

2 Supported Debugger and Programmer

Debugger and Programmer	Device Type	Supported Product
Nu-Link2-Pro	Stand-alone	NuMicro 8051 (1T) / M0 / M23 / M4 / M7 Family
Nu-Link-Pro	Stand-alone	NuMicro 8051 (1T) / M0 / M23 / M4 Family
Nu-Link	Stand-alone	NuMicro 8051 (1T) / M0 / M23 / M4 Family
Nu-Link2-Me	Attached to NuMicro EVB	NuMicro 8051 (1T) / M0 / M23 / M4 / M7 Family
Nu-Link-Me	Attached to NuMicro EVB	NuMicro 8051 (1T) / M0 / M23 / M4 Family

3 Supported Microcontroller

Product Line	Series	Part Number
NuMicro® 8051 Family	**MS51**	MS51BA9AE, MS51DA9AE, MS51XB9AE, MS51XB9BE, MS51FB9AE, MS51FC0AE, MS51XC0BE, MS51EC0AE, MS51TC0AE, MS51PC0AE, MS51EB0AE
	ML51	ML51BB9AE, ML51DB9AE, ML51FB9AE, ML51OB9AE, ML51XB9AE, ML51EB9AE, ML51UB9AE, ML51PB9AE, ML51TB9AE, ML51EC0AE, ML51UC0AE, ML51PC0AE, ML51TC0AE, ML51TD1AE, ML51LD1AE, ML51SD1AE, ML54MD1AE, ML54LD1AE, ML54SD1AE, ML56MD1AE, ML56LD1AE, ML56SD1AE
	MG51	MG51XB9AE, MG51FB9AE, MG51XC9AE, MG51FC9AE, MG51LD1AE, MG51TD1AE, MG51PD1AE, MG51LC1AE, MG51TC1AE, MG51PC1AE, MG51EC1AE
	MUG51	MUG51TB9AE
	N76E003	N76E003AT20, N76E003AS20, N76E003AQ20, N76E003BQ20, N76E003CQ20
	N76E616	N76E616AL48, N76E616AF44, N76E616AM44
	N76E885	N76E885AT28, N76E885AT20, N76E885AQ20, N76E885AS28
	N76S003	N76S003AQ20, N76S003AT20
	N79	N79E815, N79E855, N79E715, N79E844
NuMicro® M0 Family	**Mini51**	MINI51LAN, MINI51ZAN, MINI51TAN, MINI52LAN, MINI52ZAN, MINI52TAN, MINI54LAN, MINI54ZAN, MINI54TAN, MINI51LDE, MINI51QDE, MINI51ZDE, MINI51TDE, MINI51FDE, MINI52LDE, MINI52QDE, MINI52ZDE, MINI52TDE, MINI52FDE, MINI54LDE, MINI54QDE, MINI54ZDE, MINI54TDE, MINI54FDE, MINI54FHC
	Mini55	MINI55LDE, MINI55ZDE, MINI55TDE
	Mini57	MINI57EDE, MINI57FDE, MINI57XDE, MINI57TDE
	Mini58	MINI58FDE, MINI58LDE, MINI58QDE, MINI58TDE, MINI58ZDE
	M030G	M029GGC0AE, M030GGD1AE, M030GTD1AE, M030GGC1AE, M030GTC1AE M030GGC0AE, M030GTC0AE
	M031G	M031GGD2AE, M031GTD2AE, M031GGC2AE, M031GTC2AE M031GGC1AE, M031GTC1AE
	M030	M030TD2AE, M030LD2AE, M030FD2AE
	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
	M032	M032BTAIAAN, M032BTAG8AN, M032LE3AE, M032SE3AE, M032SIAAE, M032KIAAE, M032LG8AE, M032SG8AE, M032KG8AE, M032LG6AE, M032SG6AE, M032KG6AE, M032TD2AE, M032LD2AE, M032LC2AE, M032FC1AE, M032EC1AE, M032TC1AE
	M051	M052LAN, M052ZAN, M054LAN, M054ZAN, M058LAN, M058ZAN, M0516LAN, M0516ZAN, M052LBN, M052ZBN, M054LBN, M054ZBN, M058LBN, M058ZBN,

		M0516LBN, M0516ZBN, M052LDN, M052ZDN, M054LDN, M054ZDN, M058LDN, M058ZDN, M0516LDN, M0516ZDN, M052LDE, M052ZDE, M054LDE, M054ZDE, M058LDE, M058ZDE, M058MDE, M0516LDE, M0516ZDE
	M0515	M0515LDE
	M0518	M0518LD2AE, M0518LC2AE, M0518SD2AE, M0518SC2AE
	M0519	M0519LD3AE, M0519LE3AE, M0519SD3AE, M0519SE3AE, M0519VE3AE
	M0564	M0564LE4AE, M0564LG4AE, M0564SE4AE, M0564SG4AE, M0564VG4AE, M0564SSAE
	M058S	M058SLAN, M058SZAN, M058SSAN, M058SFAN
	M071	M071MC2AE, M071MD2AE, M071R1D3AE, M071R1E3AE, M071SD3AE, M071SE3AE, M071VG4AE
	M091	M091TC2AE, M091TD2AE, M091YC2AE, M091YD2AE
	M0A21	M0A21OB1AC, M0A21OC1AC, M0A21EB1AC, M0A21EC1AC, M0A23OC1AC, M0A23EC1AC, M0A23OC1ACU, M0A23EC1ACU
	M0A86	M0A86SD2AE
	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, NUC120LD3AN, NUC120RE3AN, NUC120RD3AN, NUC120LE3AN, 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	NUC200LE3AN, NUC200LD2AN, NUC200LC2AN, NUC200VE3AN, NUC200SE3AN, NUC200SD2AN, NUC200SC2AN, NUC220LE3AN, NUC220LD2AN, NUC220LC2AN, NUC220VE3AN, NUC220SE3AN, NUC220SD2AN, NUC220SC2AN
	NUC2201	NUC2201LE3AE, NUC2201SE3AE
	NUC230	NUC230LC2AE, NUC230LD2AE, NUC230LE3AE, NUC230SC2AE, NUC230SD2AE, NUC230SE3AE, NUC230VE3AE
	NUC240	NUC240LC2AE, NUC240LD2AE, NUC240LE3AE, NUC220LE3AE, 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, Nano110KD3BN, Nano110KD2BN, Nano110SD3BN, Nano110SD2BN, Nano110KC2BN, Nano110SC2BN, Nano110RC2BN, Nano110RD2BN, Nano110RD3BN, TX110VE3BN
	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
	NDA102	NDA102EC1, NDA102FC1 NDA103EC1, NDA103FC1
NuMicro® M0+ Family	**KM1M0G**	KM1M0GF01KUB, KM1M0GF02KUB, KM1M0GF03KUB, KM1M0GF04KUB, KM1M0GF01ZUB, KM1M0GF02ZUB, KM1M0GF03ZUB, KM1M0GF04ZUB, KM1M0GF11ZUB, KM1M0GF12ZUB, KM1M0GF13ZUB, KM1M0GF14ZUB, KM1M0GF01YUB, KM1M0GF02YUB, KM1M0GF03YUB, KM1M0GF04YUB, KM1M0GF11YUB, KM1M0GF12YUB, KM1M0GF13YUB, KM1M0GF14YUB
	KM1M0D	KM86472T1, KM1M0DF03NXW, KM1M0DF02NXW, KM1M0DF04NXW, KM1M0DF03NXX, KM1M0DF04NXX, KM1M0DF13NXW, KM1M0DF13NXX

NuMicro® M23 Family	**M251**	M251FC2AE, M251EC2AE, M251ZC2AE, M251SC2AE, M251LC2AE, M251SD2AE, M251LD2AE, M251ZD2AE, M251KE3AE, M251SE3AE, M251LE3AE, M251KG6AE, M251SG6AE, M251LG6AE, M252FC2AE, M252EC2AE, M252ZC2AE, M252SC2AE, M252LC2AE, M252SD2AE, M252LD2AE, M252ZD2AE, M252WD2AE, M252KE3AE, M252SE3AE, M252LE3AE, M252KG6AE, M252SG6AE, M252LG6AE, M254MD2AE, M254SD2AE, M254SD3AE, M254SE3AE, M254SG6AE, M254KE3AE, M254KG6AE, M256MD2AE, M256SD2AE, M256SE3AE, M256KE3AE, M256KG6AE, M256SG6AE, M258SE3AE, M258KE3AE, M258KG6AE, M258SG6AE, M253ZE3AE, M253LE3AE, M253LD3AE, M253ZE3BE, M253LE3BE, M253LD3BE
	NUC1262	NUC1262NE4AE, NUC1262LE4AE, NUC1262SE4AE, NUC1262YE4AE
	NUC1263	NUC1263SD4AE, NUC1263LD4AE, NUC1263ND4AE, NUC1263ZD4AE, NUC1263SD4CE, NUC1263LD4CE, NUC1263ND4CE, NUC1263ZD4CE, NSPD5ZD4AE
	NDA102	NDA102UD2, NDA102TD2, NDA102SD2, NDA102SE3
	M261	M261KIAAE, M261SIAAE, M261ZIAAE, M262KIAAE, M262SIAAE, M262ZIAAE, M263KIAAE, M263SIAAE, M263ZIAAE
	M2351	M2351KIAAE, M2351SIAAE, M2351CIAAE, M2351ZIAAE, M2351SFSIAAP
	M2354	M2354ES, M2354CJFBE, M2354CJFAE, M2354KJFBE, M2354KJFAE, M2354SJFBE, M2354SJFAE, M2354LJFBE, M2354LJFAE, M2354LJFCE
	M2A23	M2A23SG5ACU, M2A23SG5AC, M2A23LG5ACU, M2A23LG5AC, M2A23NG5ACU, M2A23YG5AC, M2A23SE5ACU, M2A23SE5AC, M2A23LE5ACU, M2A23LE5AC, M2A23NE5ACU, M2A23YE5AC, M2A23SD5AC, M2A23LD5AC, M2A23YD5AC
	M2L31	M2L31KIDAE, M2L31KGDAE, M2L31SIDAE, M2L31SGDAE, M2L31LIDAE, M2L31LGDAE, M2L31YIDAE, M2L31YGDAE, M2L31CIDAE, M2L31CGDAE, M2L31SG4AE, M2L31SE4AE, M2L31LG4AE, M2L31LE4AE, M2L31LD4AE, M2L31YG4AE, M2L31YE4AE, M2L31YD4AE, M2L31ZE4AE, M2L31ZD4AE, M2L31XD4AE
	M2U51	M2U54KG6AE, M2U54KE4AE, M2U54AG6AE, M2U54AE4AE, M2U54SG6AE, M2U54SE4AE, M2U54YG6AE, M2U54YE4AE, M2U51YD3AE, M2U51YC2AE, M2U51TC2AE, M2U51EC2AE, M2U51FC2AE
	M2003	M2003FC1AE, M2003XC1AE, M2P481QC1AE, KN44490A, M2003SG6AE, M2003LG6AE, M2003RG6AE, M2003R1G6AE
	KM1M2	KM1M2DF04R, KM1M2DF03R, KM1M2DF02R, KM1M2DF04N, KM1M2DF03N, KM1M2DF02N
NuMicro® M33 Family	**M3331**	M3334KIGAE, M3334KGGAE, M3333KIGAE, M3333KGGAE, M3334SIGAE, M3334SGGAE, M3333SIGAE, M3333SGGAE, M3334LIGAE, M3334LGGAE, M3333LIGAE, M3333LGGAE, M3334YIGAE, M3334YGGAE, M3333YIGAE, M3333YGGAE, M3334TIGAE, M3334TGGAE, M3333TIGAE, M3333TGGAE, M3334SGAAE, M3333SGAAE, M3334LGAAE, M3333LGAAE, M3334YGAAE, M3333YGAAE, M3334TGAAE, M3333TGAAE,
	M3351	M3351LJCAE, M3351YJCAE, M3351SJCAE, M3351VJCAE, M3351KJCAE, M3351LICAE, M3351YICAE, M3351SICAE, M3351VICAE, M3351KICAE
	KM1M3E	KM1M3EF14R, KM1M3EF15R

NuMicro® M4 Family	**M451**	M451VG6AE, M451VE6AE, M451RG6AE, M451RE6AE, M451LG6AE, M451LE6AE, M451RD3AE, M451RC3AE, M451LD3AE, M451LC3AE, M452VG6AE, M452VE6AE, M452RG6AE, M452RE6AE, M452LG6AE, M452LE6AE, M452RD3AE, M452LD3AE, M452LC3AE, M453VG6AE, M453VE6AE, M453RG6AE, M453RE6AE, M453LG6AE, M453LE6AE, M453VD3AE, M453RD3AE, M453LD3AE, M453LC3AE, M451MLG6AE, M451MLE6AE, M451MSD3AE, M451MSC3AE, M451MLD3AE, M451MLC3AE, M4LEDRG6AE, M4LEDRE6AE, M4LEDLG6AE, M4LEDLE6AE, M4TKVG6AE, M4TKVE6AE, M4TKRG6AE, M4TKRE6AE, M4TKLG6AE, M4TKLE6AE
	M4521	M4521SE6AE, M4521LE6AE
	M433	M433SE8AE, M433LE8AE
	M460	M467SJHAN, M467SJHAE, M467KJHAN, M467KJHAE, M467JJHAN, M467JJHAE, M467HJHAN, M467HJHAE, M467S2JHAE, M467K2JHAE, M467J2JHAE, M467H2JHAE, M467H3KJHAE, M467H3JJHAE, M463KGCAE, M463VGCAE, M463SGCAE, M463LGCAE, M463YGCAE, M463K2GCAC, M463S2GCAC, M463L2GCAC, M460KGCAE, M460SGCAE, M460LGCAE, M460YGCAE
	M471	M471KI8AE, M471VI8AE, M471VG7AE, M471R1E6AE, M471R1D6AE, M471SE6AE, M471SD6AE, M471MD6AE, M471CI8AE
	M479	M479SG8AEE, M479LG8AEE, M479NG8AEE
	M480	M481SIDAE, M481LIDAE, M481ZIDAE, M482KIDAE, M482SIDAE, M482LIDAE, M482ZIDAE, M483KIDAE, M483SIDAE, M484KIDAE, M484SIDAE, M484SIDAE2U, M485KIDAE, M485SIDAE, M485LIDAE, M485ZIDAE, M485YIDAE, M487JIDAE, M487KIDAE, M487SIDAE, M487KMCAN, M481SGCAE, M481SE8AE, M481SGCAE2A, M481LGCAE, M481LGCAEU, M481LE8AE, M481ZGCAE, M481ZE8AE, M482KGCAE, M482SGCAE, M482SE8AE, M482LGCAE, M482LE8AE, M482ZGCAE, M482ZE8AE, M483KGCAE, M483SGCAE, M483SE8AE, M483KGCAE2A, M483SGCAE2A
	NUC400	NUC472HI8AE, NUC472HG8AE, NUC472JI8AE, NUC472JG8AE, NUC472KI8AE, NUC472KG8AE, NUC472VI8AE, NUC472VG8AE, NUC442JI8AE, NUC442JG8AE, NUC442KI8AE, NUC442KG8AE, NUC442VI8AE, NUC442VG8AE, NUC442RI8AE, NUC442RG8AE
	NUC505	NUC505DLA, NUC505YLA, NUC505YLA2Y, NUC505DSA, NUC505DL13Y, NUC505DS13Y, NUC505YO13Y
	KM1M4BF0	KM1M4BF02KXW/E, KM1M4BF02GXY/G, KM1M4BF03KXW/E, KM1M4BF03GXY/G, KM1M4BF04KXW/E, KM1M4BF04GXY/G, KM1M4BF05KXW/E, KM1M4BF05GXY/G
	KM1M4BF5	KM1M4BF52KXW/E, KM1M4BF52GXY/G, KM1M4BF53KXW/E, KM1M4BF53GXY/G, KM1M4BF54KXW/E, KM1M4BF54GXY/G, KM1M4BF55KXW/E, KM1M4BF55GXY/G
	KM1M4BF6	KM1M4BF64GXW, KM1M4BF65GXW, KM1M4BF66GXW, KM1M4BF67GXW
NuMicro® M55 Family	**M55M1**	M55M1H3H2LJAE, M55M1H3K2LJAE, M55M1H3R2LJAE, M55M1H2LJAE, M55M1K2LJAE, M55M1R2LJAE,
	M5531	M5531H2LJAE, M5531K2LJAE, M5531R2LJAE
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, NM18440D, NM18407SY, NM18402Y
	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
ARM® Cortex®-M7 MCUs	KM1M7AF0	KM1M7AF00N/M/K, KM1M7AF02N/M/K
	KM1M7AF5	KM1M7AF50N/M/K, KM1M7AF52N/M/K
	KM1M7CF0	KM1M7CF03N/K, KM1M7CF04N/K, KM1M7CF05N/K, KM1M7CF06N/K
	KM1M7CF1	KM1M7CF13N/K, KM1M7CF14N/K, KM1M7CF15N/K, KM1M7CF16N/K
	KM1M7CF2	KM1M7CF23N/K, KM1M7CF24N/K, KM1M7CF25N/K, KM1M7CF26N/K
	KM1M7CF3	KM1M7CF33N/K, KM1M7CF34N/K, KM1M7CF35N/K, KM1M7CF36N/K
	KM1M7CF4	KM1M7CF41N/K, KM1M7CF42N/K, KM1M7CF43N/K, KM1M7CF44N/K, KM1M7CF45N/K, KM1M7CF46N/K
	KM1M7CF5	KM1M7CF51N/K, KM1M7CF52N/K, KM1M7CF53N/K, KM1M7CF54N/K, KM1M7CF55N/K, KM1M7CF56N/K
	CM1003	CM1003BF3AE, CM1003BF2AE, CM1003CF3AE, CM1003CF2AE, CM1003DL8AE, CM1003DJ3AE, CM1003DJ8AE, CM1003CJ3AE
	CM2003	CM2003CF2AE, CM2003CF3AE
	CM2U51	CM2U54GS8AE, CM2U54ES8AE, CM2U54GQ3AE, CM2U54EQ3AE, CM2U54GN8AE, CM2U54EN8AE, CM2U54GL3AE, CM2U54EL3AE, CM2U51DL3AE
	CM2052	CM2052EL8AE, CM2052EN8AE, CM2053EL8AE
	CM3031	CM3034HS8AE, CM3033HS8AE, CM3034HN8AE, CM3033HN8AE, CM3034HL8AE, CM3033HL8AE, CM3034HL3AE, CM3033HL3AE, CM3034HJ3AE, CM3033HJ3AE, CM3034GN8AE, CM3033GN8AE, CM3034GL8AE, CM3033GL8AE, CM3034GL3AE, CM3033GL3AE, CM3034GJ3AE, CM3033GJ3AE

4 Resources

Website	Details
NuTool on nuvoton.com	https://www.nuvoton.com/tool-and-software/software-development-tool/
	• Download the latest NuTool installation file. • View the NuTool revision history.
NuTool on GitHub	https://github.com/OpenNuvoton/Nuvoton_Tools
	• Check the open source example code of NuTool for easier development.
	https://github.com/OpenNuvoton/Nuvoton_Tools/blob/master/Latest_NuLink_Firmware/README.md
	• View the Nu-Link firmware revision history.

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