

NuMicro™ ICP Programming Tool Revision History

Revision 3.02 (Released 2020-01-21)

1. Supported programming offline data without connecting target chip (except M2351 M261 80511T NUC505 series).
2. Supported offline programming from SD Card/USB flash drive(except M2351, m261, nuc505).
3. Supported M479, M480LD (128K) for NuMicro M4 series.
4. Supported M031BTYE3AN, M030TD2AE, M030LD2AE, M031BTYD2AN, M058MDE, NM18202S, NM1232D, NM1220EBK0, NM1232Y.
5. Welcome to visit: Nuvoton_Tools Github portal
https://github.com/OpenNuvoton/Nuvoton_Tools

Supported devices of Nu-Link (Cortex-M0 series)	
M031 Series	
M031AE	M031LE3AE, M031SE3AE, M031BTY, M032LE3AE, M032SE3AE, M031TD2AE, M031LD2AE, M031LC2AE, M031SD2AE, M031SC2AE, M031BTYD2AN, M031BTYE3AN, M031FC1AE, M031EC1AE, M031TC1AE, M031FB0AE, M031EB0AE, M031TB0AE, M031LIAAE, M032LIAAE, M031SIAAE, M032SIAAE, M031KIAAE, M032KIAAE, M031LG8AE, M032LG8AE, M031SG8AE, M032SG8AE, M031KG8AE, M032KG8AE, M031LG6AE, M032LG6AE, M031SG6AE, M032SG6AE, M031KG6AE, M032KG6AE, M032TD2AE, M032LD2AE, M032TC2AE, M032LC2AE, M030TD2AE, M030LD2AE, M032FC1AE, M032EC1AE, M032TC1AE
M051 Series	
M051AN	M051LAN, M051PAN, M051YAN, M051ZAN, M052LAN, M052PAN, M052YAN, M052ZAN, M054LAN, M054PAN, M054YAN, M054ZAN, M058LAN, M058PAN, M058YAN, M058ZAN, M0516LAN, M0516PAN, M0516YAN, M0516ZAN
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M051DE	M052LDE, M052ZDE, M052TDE, M052XDE, M054LDE, M054ZDE, M054TDE, M054XDE, M058LDE, M058ZDE, M058TDE, M058XDE, M058MDE, M0516LDE, M0516ZDE, M0516TDE, M0516XDE, M0515LDE
M0518 Series	
M0518AE	M0518LD2AE, M0518LC2AE, M0518SD2AE, M0518SC2AE
M0519 Series	
M0519AE	M0519LD3AE, M0519LE3AE, M0519SD3AE, M0519SE3AE, M0519VE3AE
M0564 Series	
M0564AE	M0564LE4AE, M0564LG4AE, M0564SE4AE, M0564SG4AE, M0564VG4AE

M058S Series	
M058SAN	M054SLAN, M058SLAN, M059SLAN, M054SZAN, M058SZAN, M059SZAN, M054STAN, M058STAN, M059STAN, M054SSAN, M058SSAN, M059SSAN, M058SFAN
Mini51 Series	
MINI51AN	MINI51LAN, MINI51QAN, MINI51, MINI51ZAN, MINI51TAN, MINI52LAN, MINI52QAN, MINI52, MINI52ZAN, MINI52TAN, MINI54LAN, MINI54QAN, MINI54, MINI54ZAN, MINI54TAN
MINI51DE	MINI51LDE, MINI51QDE, MINI51, MINI51ZDE, MINI51TDE, MINI51FDE, MINI52LDE, MINI52QDE, MINI52, MINI52ZDE, MINI52TDE, MINI52FDE, MINI54LDE, MINI54QDE, MINI54, MINI54ZDE, MINI54TDE, MINI54FDE, MINI54FHC
Mini51X Series	
MINI51X	MINI51XLAE, MINI51XTAE, MINI51XZAE, MINI51XFAE, MINI52XLAE, MINI52XTAE, MINI52XZAE, MINI52XFAE, MINI54XLAE, MINI54XTAE, MINI54XZAE, MINI51XFAE, MINI51XFHC, MINI55LDE, MINI55ZDE, MINI55TDE
Mini57 Series	
MINI57	MINI57EDE, MINI57FDE, Mini57XDE, MINI57TDE
Mini58 Series	
MINI58	MINI58FDE, MINI58LDE, MINI58QDE, MINI58TDE, MINI58ZDE, MINI58FHC
NM1120 Series	
NM1120AE	NM1120FC1AE, NM1120EC1AE, NM1120XC1AE, NM1120ZC1AE
NM1200 Series	
NM1200AE	NM1200LBAE, NM1200TBAE, NM1200ZBAE, NM1100XBAE, NM1100FBAE
NM1230 Series	
NM1230	NM1234D, NM1232D, NM1220EBK0, NM1234Y, NM1232Y, NM1233D, NM1233Y
NM1320 Series	
NM1320AE	NM1320LC2AE
NM1330 Series	
NM1330AE	NM1330LC1AE, NM1330LD2AE
NM1500 Series	
NM1500AE	NM1510LC1AE, NM1520LC2AE, NM1520LD2AE, NM1520RC2AE, NM1520RD2AE, NM1530VD3AE, NM1530VE3AE, NM1530LE3AE
NM1810 Series	
NM1810AE	NM18100Y, NM18101Y, NM18105Y, NM18107Y, NM1817NT
NM1820 Series	
NM1820AE	NM18200S, NM18201S, NM18202S, NM1820ZB0AE, NM18200D, NM18200Y, NM18201Y, NM18202Y, NM1827UW
TF5100 Series	
TF5103	TF5103, TF5103D, TF5103Y, TF5102Y
Nano100 Series	

NANO100AN	Nano100VF3AN, Nano100VF2AN, Nano100SF3AN, Nano100SF2AN, Nano100LF3AN, Nano100LF2AN, Nano100VE3AN, Nano100VE2AN, Nano100SE3AN, Nano100SE2AN, Nano100LE3AN, Nano100LE2AN, Nano100VD3AN, Nano100VD2AN, Nano100VD1AN, Nano100SD3AN, Nano100SD2AN, Nano100SD1AN, Nano100LD3AN, Nano100LD2AN, Nano100LD1AN, Nano100VC2AN, Nano100VC1AN, Nano100SC2AN, Nano100SC1AN, Nano100LC2AN, Nano100LC1AN, Nano110VF3AN, Nano110VF2AN, Nano110SF3AN, Nano110SF2AN, Nano110VE3AN, Nano110VE2AN, Nano110SE3AN, Nano110SE2AN, Nano110VD3AN, Nano110VD2AN, Nano110VD1AN, Nano110SD3AN, Nano110SD2AN, Nano110SD1AN, Nano110VC2AN, Nano110VC1AN, Nano110SC2AN, Nano110SC1AN, Nano120VF3AN, Nano120VF2AN, Nano120SF3AN, Nano120SF2AN, Nano120LF3AN, Nano120LF2AN, Nano120VE3AN, Nano120VE2AN, Nano120SE3AN, Nano120SE2AN, Nano120LE3AN, Nano120LE2AN, Nano120VD3AN, Nano120VD2AN, Nano120VD1AN, Nano120SD3AN, Nano120SD2AN, Nano120SD1AN, Nano120LD3AN, Nano120LD2AN, Nano120LD1AN, Nano120VC2AN, Nano120VC1AN, Nano120SC2AN, Nano120SC1AN, Nano120LC2AN, Nano120LC1AN, Nano120ZD3AN, Nano120ZD2AN, Nano120ZC2AN, Nano130VF3AN, Nano130VF2AN, Nano130SF3AN, Nano130SF2AN, Nano130VE3AN, Nano130VE2AN, Nano130SE3AN, Nano130SE2AN, Nano130VD3AN, Nano130VD2AN, Nano130VD1AN, Nano130SD3AN, Nano130SD2AN, Nano130SD1AN, Nano130VC2AN, Nano130VC1AN, Nano130SC2AN, Nano130SC1AN
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Nano103 Series	
NANO103AE	Nano103ZD3AE, Nano103LD3AE, Nano103SD3AE
NDA102 Series	
NDA102	NDA102EC1, NDA102FC1
NUC029 Series	
NUC029AN	NUC029NAN, NUC029LAN, NUC029TAN, NUC029CIG1, NUC029ZAN, NUC029TAE,

NUC029AE	NUC029FAE
NUC029DE	NUC029LDE, NUC029SDE
NUC029EE	NUC029LEE, NUC029SEE
NUC029GE	NUC029LGE, NUC029SGE, NUC029KGE
NUC100 Series	
NUC100AN	NUC100LE3AN, NUC100LE2AN, NUC100LE1AN, NUC100LD3AN, NUC100LD2AN, NUC100LD1AN, NUC100LC3AN, NUC100LC2AN, NUC100LC1AN, NUC100RE3AN, NUC100RE2AN, NUC100RE1AN, NUC100RD3AN, NUC100RD2AN, NUC100SD2AN, NUC100RD1AN, NUC100RC3AN, NUC100RC2AN, NUC100RC1AN, NUC100VE3AN, NUC100VE2AN, NUC100VE1AN, NUC100VD3AN, NUC100VD2AN, NUC100VD1AN, NUC100VC3AN, NUC100VC2AN, NUC100VC1AN, NUC101LE3AN, NUC101LE2AN, NUC101LE1AN, NUC101LD3AN, NUC101LD2AN, NUC101LD1AN, NUC101LC3AN, NUC101LC2AN, NUC101LC1AN, NUC101RE3AN, NUC101RE2AN, NUC101RE1AN, NUC101RD3AN, NUC101RD2AN, NUC101RD1AN, NUC101RC3AN, NUC101RC2AN, NUC101RC1AN, NUC101VE3AN, NUC101VE2AN, NUC101VE1AN, NUC101VD3AN, NUC101VD2AN, NUC101VD1AN, NUC101VC3AN, NUC101VC2AN, NUC101VC1AN, NUC102LE3AN, NUC102LE2AN, NUC102LE1AN, NUC102LD3AN, NUC102LD2AN, NUC102LD1AN, NUC102LC3AN, NUC102LC2AN, NUC102LC1AN, NUC102RE3AN, NUC102RE2AN, NUC102RE1AN, NUC102RD3AN, NUC102RD2AN, NUC102RD1AN, NUC102RC3AN, NUC102RC2AN, NUC102RC1AN, NUC102SE3AN, NUC102SE2AN, NUC102SE1AN, NUC102SD3AN, NUC102SD2AN, NUC102SD1AN, NUC102SC3AN, NUC102SC2AN, NUC102SC1AN, NUC102ZE3AN, NUC102ZE2AN, NUC102ZE1AN, NUC102ZD3AN, NUC102ZD2AN, NUC102ZD1AN, NUC102ZC3AN, NUC102ZC2AN, NUC102ZC1AN, NUC102ZB3AN, NUC102ZB2AN, NUC102ZB1AN, NUC102ZA3AN, NUC102ZA2AN, NUC102ZA1AN, NUC102LB3AN, NUC102LB2AN, NUC102LB1AN, NUC102LA3AN, NUC102LA2AN, NUC102LA1AN, NUC102RB3AN, NUC102RB2AN, NUC102RB1AN, NUC102RA3AN, NUC102RA2AN, NUC102RA1AN, NUC102SB3AN, NUC102SB2AN, NUC102SB1AN, NUC102SA3AN, NUC102SA2AN, NUC102SA1AN, NUC102LA0AN, NUC102LB0AN, NUC102LC0AN, NUC102LD0AN, NUC102RA0AN, NUC102RB0AN, NUC102RC0AN, NUC102RD0AN, NUC102SA0AN, NUC102SB0AN, NUC102SC0AN, NUC102SD0AN, NUC102ZA0AN, NUC102ZB0AN, NUC102ZC0AN, NUC102ZD0AN, NUC102YD3AN, NUC102YD2AN, NUC102YD1AN, NUC102YD0AN, NUC102YC3AN, NUC102YC2AN, NUC102YC1AN, NUC102YC0AN, NUC102YB3AN, NUC102YB2AN, NUC102YB1AN, NUC102YB0AN, NUC102YA3AN, NUC102YA2AN, NUC102YA1AN, NUC102YA0AN, NUC103SB2AN0, NUC103SB2AN1, NUC103SB3AN0, NUC103SB4AN0, NUC103SC2AN0, NUC103SC2AN1, NUC103SC3AN0, NUC103SC4AN0, NUC103SC2AN2, NUC103SC2AN3, NUC103SC3AN2, NUC103SC4AN2, NUC103SD2AN0, NUC103SD2AN1, NUC103SD3AN0, NUC103SD4AN0, NUC103SE2AN0, NUC103SE2AN1, NUC103SE3AN0, NUC103SE4AN0, NUC103LB2AN0, NUC103LB2AN1, NUC103LB3AN0, NUC103LB4AN0, NUC103LC2AN0, NUC103LC2AN1, NUC103LC3AN0, NUC103LC4AN0, NUC103LC2AN2, NUC103LC2AN3, NUC103LC3AN2, NUC103LC4AN2, NUC103LD2AN0, NUC103LD2AN1, NUC103LD3AN0, NUC103LD4AN0, NUC103LE2AN0, NUC103LE2AN1, NUC103LE3AN0, NUC103LE4AN0, NUC103ZB2AN0, NUC103ZB2AN1, NUC103ZB3AN0, NUC103ZB4AN0, NUC103ZC2AN0, NUC103ZC2AN1, NUC103ZC3AN0, NUC103ZC4AN0, NUC103ZC2AN2, NUC103ZC2AN3, NUC103ZC3AN2, NUC103ZC4AN2, NUC103ZD2AN0, NUC103ZD2AN1, NUC103ZD3AN0, NUC103ZD4AN0, NUC103ZE2AN0, NUC103ZE2AN1, NUC103ZE3AN0, NUC103ZE4AN0, NUC105SB2AN0, NUC105SB2AN1, NUC105SB3AN0, NUC105SB4AN0, NUC105SC2AN0,

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NUC123AE	NUC123SC2AE1, NUC123SD4AE0, NUC123LC2AE1, NUC123LD4AE0, NUC123ZC2AE1, NUC123ZD4AE0, NUC123LC2AP1
NUC121 Series	
NUC121AE	NUC121ZC2AE, NUC121LC2AE, NUC121SC2AE, NUC121WC2AE, NUC121Y25CN
NUC125AE	NUC125ZC2AE, NUC125LC2AE, NUC125SC2AE
NUC126 Series	
NUC126AE	NUC126LE4AE, NUC126LG4AE, NUC126SE4AE, NUC126SG4AE, NUC126VG4AE, NUC126NE4AE
NUC1261AE	NUC1261LE4AE, NUC1261LG4AE, NUC1261SE4AE, NUC1261SG4AE
NUC131 Series	
NUC131AE	NUC131LD2AE, NUC131LC2AE, NUC131SD2AE, NUC131SC2AE, NUC131LD2AEU, NUC131LC2AEU, NUC131SD2AEU, NUC131SC2AEU, NUC131RD2AE, NUC131RC2AE
NUC1311AE	NUC1311LD2AE
NUC200 Series	
NUC200/220AN	NUC200LE3AN, NUC200LE2AN, NUC200LE1AN, NUC200LD3AN, NUC200LD2AN, NUC200LD1AN, NUC200LC3AN, NUC200LC2AN, NUC200LC1AN, NUC200RE3AN, NUC200RE2AN, NUC200RE1AN, NUC200RD3AN, NUC200RD2AN, NUC200RD1AN, NUC200RC3AN, NUC200RC2AN, NUC200RC1AN, NUC200VE3AN, NUC200VE2AN, NUC200VE1AN, NUC200VD3AN, NUC200VD2AN, NUC200VD1AN, NUC200VC3AN, NUC200VC2AN, NUC200VC1AN, NUC200SE3AN, NUC200SE2AN, NUC200SE1AN, NUC200SD3AN, NUC200SD2AN, NUC200SD1AN, NUC200SC3AN, NUC200SC2AN, NUC200SC1AN, NUC220LE3AN, NUC220LE2AN, NUC220LE1AN, NUC220LD3AN, NUC220LD2AN, NUC220LD1AN, NUC220LC3AN, NUC220LC2AN, NUC220LC1AN, NUC220RE3AN, NUC220RE2AN, NUC220RE1AN, NUC220RD3AN, NUC220RD2AN, NUC220RD1AN, NUC220RC3AN, NUC220RC2AN, NUC220RC1AN, NUC220VE3AN, NUC220VE2AN, NUC220VE1AN, NUC220VD3AN, NUC220VD2AN, NUC220VD1AN, NUC220VC3AN, NUC220VC2AN, NUC220VC1AN, NUC220SE3AN, NUC220SE2AN,

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NUC230/240AE	NUC230RC1AE, NUC230LC2AE, NUC230LD2AE, NUC230LE3AE, NUC230SC2AE, NUC230SD2AE, NUC230SE3AE, NUC230VE3AE, NUC240LC2AE, NUC240LD2AE, NUC240LE3AE, NUC220LE3AE, NUC240SC2AE, NUC240SD2AE, NUC240SE3AE, NUC240VE3AE,
NUC2201AE	NUC2201LE3AE, NUC2201SE3AE
AU9110 Series(Audio)	
AU9110	
I91000 Series	
I91000	I91032, I91032C, I91032T
I9160	I9120, I9130, I9140, I9160
I91200	I91260, I91260B, I91260C, I91230, I91230C
I91300	I91340, I91341, I91360, I91361
N569 Series	
N569	N569S250, N569S500, N569S750, N569S1K0, N569S1K5, N569S2K0, N569S3K0, N569S4K0, N569S8K0, N569SAK0, N569S251, N569S501, N569S751, N569S1K1, N569S1K6, N569S2K1, N569S3K1, N569S4K1, N569S8K1, N569SAK1, N569SCK2, N569S502, N569SAK2
N570 Series	
N570/N570S	N570F064, N570C064, N570S04A, N570S08A, N570S16A, N570S32A, N570S64A, N570S128, N570SA2A, N570SC04, N570SC08, N570SC16, N570SC32, N570SC64, N570SCA2, N570S04B, N570S08B, N570S16B, N570S32B, N570S64B, N570S129, N570S130, N570SC05, N570SC09, N570SC17, N570SC33, N570SC65, N570SCA3, N570S256
N572 Series	
N572/N572S	N572F065, N572F072, N572C072, N572S08A, N572S16A, N572S32A, N572S64A, N572SC08, N572SC16, N572SC32, N572SC64, N572S08B, N572S16B, N572S32B, N572S64B, N572SC09, N572SC17, N572SC33, N572SC65, N572U08A, N572U16A, N572U32A, N572U64A, N572U128, N572U08B, N572U16B, N572U32B, N572U64B, N572U129, N572U130
N575 Series	
N575/N575S	N575F145, N575C145, N575S08A, N575S16A, N575S32A, N575S64A, N575S08B, N575S16B, N575S32B, N575S64B
N576 Series	
N576	N576F145, N576C145
Supported devices of Nu-Link (Cortex-M4 series)	
M451 Series	
M451	M451VG6AE, M451VE6AE, M451RG6AE, M451RE6AE, M451LG6AE, M451LE6AE, M451VD3AE, M451VC3AE, M451RD3AE, M451RC3AE, M451SD3AE, M451SC3AE, M451LD3AE, M451LC3AE, M451YD3AE, M451YC3AE, M452VG6AE, M452VE6AE, M452RG6AE, M452RE6AE, M452SG6AE, M452SE6AE, M452LG6AE, M452LE6AE,

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M4521AE	M4521RE6AE, M4521SE6AE, M4521LE6AE
NUC400 Series	
NUC400	NUC472HI8AE, NUC472HH8AE, NUC472HG8AE, NUC472JI8AE, NUC472JH8AE, NUC472JG8AE, NUC472KI8AE, NUC472KH8AE, NUC472KG8AE, NUC472VI8AE, NUC472VH8AE, NUC472VG8AE, NUC460JI8AE, NUC460JH8AE, NUC460JG8AE, NUC460KI8AE, NUC460KH8AE, NUC460KG8AE, NUC460VI8AE, NUC460VH8AE, NUC460VG8AE, NUC460RI8AE, NUC460RH8AE, NUC460RG8AE, NUC452JI8AE, NUC452JH8AE, NUC452JG8AE, NUC452KI8AE, NUC452KH8AE, NUC452KG8AE, NUC452VI8AE, NUC452VH8AE, NUC452VG8AE, NUC442JI8AE, NUC442JH8AE, NUC442JG8AE, NUC442KI8AE, NUC442KH8AE, NUC442KG8AE, NUC442VI8AE, NUC442VH8AE, NUC442VG8AE, NUC442RI8AE, NUC442RH8AE, NUC442RG8AE, NUC430JI8AE, NUC430JH8AE, NUC430JG8AE, NUC430KI8AE, NUC430KH8AE, NUC430KG8AE, NUC430VI8AE, NUC430VH8AE, NUC430VG8AE, NUC430RI8AE, NUC430RH8AE, NUC430RG8AE, NUC422JI8AE, NUC422JH8AE, NUC422JG8AE, NUC422KI8AE, NUC422KH8AE, NUC422KG8AE, NUC422VI8AE, NUC422VH8AE, NUC422VG8AE, NUC422RI8AE, NUC422RH8AE, NUC422RG8AE, NUC410JI8AE, NUC410JH8AE, NUC410JG8AE, NUC410KI8AE, NUC410KH8AE, NUC410KG8AE, NUC410VI8AE, NUC410VH8AE, NUC410VG8AE, NUC410RI8AE, NUC410RH8AE, NUC410RG8AE, NUC400JI8AE, NUC400JH8AE, NUC400JG8AE, NUC400KI8AE, NUC400KH8AE, NUC400KG8AE, NUC400VI8AE, NUC400VH8AE, NUC400VG8AE, NUC400RI8AE, NUC400RH8AE, NUC400RG8AE
NUC505 Series	
NUC505	NUC505DL13Y, NUC505DS13Y, NUC505YO13Y
M479 Series	
M479AE	M479SG8AEE, M479LG8AEE, M479NG8AEE
M480 Series	
M480AE	M481KIDAE, M481KGAAE, M481SIDAE, M481SGAAE, M481LIDAE, M481LGAAE, M481ZIDAE, M481ZGAAE, M481ZGDAE, M482JIDAE, M482JGAAE, M482KIDAE, M482KGAAE, M482VIDAE, M482VGAAE, M482SIDAE, M482SGAAE, M482SIDAE3O, M482LIDAE, M482LGAAE, M482ZIDAE, M483JIDAE, M483JGAAE, M483KIDAE, M483KGAAE, M483VIDAE, M483VGAAE, M483SIDAE, M483SGAAE, M483LIDAE, M483LGAAE, M484KIDAE, M484KGAAE, M484SIDAE, M484SGAAE, M484SIDAE2U, M484SGAAE2U, M485JIDAE, M485JGAAE, M485KIDAE, M485KGAAE, M485VIDAE, M485VGAAE, M485OIDAE, M485OGAAE, M485SIDAE, M485SGAAE, M485LIDAE, M485ZIDAE, M486JIDAE, M486KIDAE, M487JIDAE, M487JGAAE, M487KIDAE, M487KGAAE, M487SIDAE, M487SGAAE, M481SGCAE, M481SG8AE, M481SE8AE, M481SGCAE2A, M481SG8AE2A, M481LGCAE, M481LG8AE, M481LE8AE, M481ZGCAE, M481ZG8AE, M481ZE8AE, M482KGCAE, M482KG8AE, M482SGCAE, M482SG8AE,

	M482SE8AE, M482LGCAE, M482LG8AE, M482LE8AE, M482ZGCAE, M482ZG8AE, M482ZE8AE, M483KGCAE, M483KG8AE, M483SGCAE, M483SG8AE, M483SE8AE, M483KGCAE2A, M483KG8AE2A, M483SGCAE2A, M483SG8AE2A
I94000 Series	
I94000	I94124, I94123, I94121, I94120, I94114, I94113, I94111, I94110, I94134, I94133, I94131, I94130
Supported devices of Nu-Link (Cortex-M23 series)	
M251 Series	
M251	M252FC2AE, M252EC2AE, M252ZC2AE, M251FC2AE, M251EC2AE, M251ZC2AE, M251FB2AE, M251EB2AE, M251ZB2AE, M251SD2AE, M251LD2AE, M251ZD2AE, M251SC2AE, M251LC2AE, M252SD2AE, M252LD2AE, M252ZD2AE, M252SC2AE, M252LC2AE, M252KE3AE, M252SE3AE, M252LE3AE, M251KE3AE, M251SE3AE, M251LE3AE, M252KG6AE, M252SG6AE, M252LG6AE, M251KG6AE, M251SG6AE, M251LG6AE
M2351 Series	
M2351	M2351KIAAE, M2351SIAAE, M2351ZIAAE, M2353SIAAE
M261 Series	
M261	M261KIAAE, M261SIAAE, M261ZIAAE, M262KIAAE, M262SIAAE, M262ZIAAE, M263KIAAE, M263SIAAE, M263ZIAAE
Supported devices of Nu-Link (8051 series)	
NuMicro 8051 Industry Product Line	
MS51 series	MS51IA9AE, MS51BA9AE, MS51DA9AE, MS51XB9AE, MS51XB9BE, MS51FB9AE, MS51FC0AE, MS51XC0BE, MS51EC0AE, MS51TC0AE, MS51PC0AE
NuMicro 8051 Low power Product Line	
ML51 series	ML51BB9AE, ML51DB9AE, ML51FB9AE, ML51OB9AE, ML51XB9AE, ML51EB9AE, ML51UB9AE, ML51PB9AE, ML51TB9AE, ML51EC0AE, ML51UC0AE, ML51PC0AE, ML51TC0AE
LPC 1T 8051 Product Line	
N76E003 series	N76E003AT20, N76E003AS20, N76E003AQ20, N76E003BQ20, N76E003CQ20
N76E616 series	N76E616AL48, N76E616AF44, N76E616AM44
N76E885 series	N76E885AT28, N76E885AT20, N76E885AQ20, N76E885AS28
LPC 4T 8051 Product Line (Nu-Link-51 Only)	
N79E85J	N79E715AT28, N79E715AT20, N79E715AS28, N79E715AS20, N79E715AS16, N79E855AWG, N79E854AWG, N79E845AWG, N79E844AWG, N79E8432ASG, N79E815AT28, N79E815AT20, N79E814AT28, N79E814AT20, N79E8132AS16

Revision 3.01 (Released 2019-09-30)

1. Supported NUC1311, M032C/D for NuMicro M0 series.
2. Supported MR63 for NuMicro M23 series.
3. Add "Erase Whole Chip" option for user setting of online/offline programming (excluding 80511T M2351 and M261).

[Revision 3.00](#) (Released 2019-05-03)

1. Added TF5100/ M031 (256/512 KB) for Cortex M0 series.
2. Added M261 for Cortex M23 series.
3. Added three help function (open user manual, version check, open NuMergeFile tool).
4. Supported Nu-Link2 ICE adapter.

[Revision 2.06](#) (Released 2019-02-26)

1. Supported M480LD for NuMicro M4 series.
2. Supported NM1230 for Motor MCU.
3. Supported ML51/MS51 for NuMicro 8051 series.
4. Nu-Link2 debug probe supported mass storage programmer mode.

[Revision 2.05](#) (Released 2018-09-06)

Cortex-M

1. Supported Nu-Link2.
2. Supported NUC029DE/EE/GE, NUC2201, NUC1261, NDA102, M031, NM1230 for NuMicro M0 series.
3. Supported M4521 for NuMicro M4 series.

C51

1. Supported Nu-Link2.

[Revision 2.04.6725](#) (Released 2018-04-03)

1. Improved download performance around 10~20% of both online and offline modes.
2. Enabled secure boot option for M480 series.
3. Supported auto-programming option of 8051 1T offline mode. (target board can't be self-powered in this case).

[Revision 2.03.6674](#) (Released 2017-12-11)

1. Supported M2351 for NuMicro M23 series.

[Revision 2.02.6629](#) (Released 2017-06-23)

1. Supported Mini57 for NuMicro M0 series.
2. Supported M480 for NuMicro M4 series.
3. Supported I94000 for NuVoice series.

[Revision 2.01.6592](#) (Released 2017-01-13)

1. Supported NUC121, NUC125, NUC126, M0564, NM1810 and I91200 series.

[Revision 2.00.6561](#) (Released 2016-07-22)

1. Supported 8051 1T series (N76E885, N76E884, N76E616, N76E003, N76E002).
2. Added “checksum verify” function for M451 series.
3. In offline mode, added SN (serial number) function for NUC505 series.
4. Use “page erase” instead of “chip erase” if only partial flash segments are programmed, user can preserve configuration page in that case.

Revision 1.31.6535 (Released 2016-02-01)

1. Supported Nano103, NM1120, NM1330, NM1820 for NuMicro M0 series.
2. Supported M4TK for NuMicro M4 series.
3. Supported N575, N576 and N570 for NuVoice series.
4. Programming APROM with given offset (must be page alignment).
5. Fixed NUC505 crash issue when exporting binary file.
6. In offline mode, fixed the problem that sometimes total count can't reach maximum value.

Revision 1.30.6491 (Released 2015-07-21)

1. Added "NuMergeFile.exe" under the installation folder for binary files merging.
2. Supported APROM programming at specific address.
3. NUC505: Supported to re-program MTP while MTP key status is invalid.
4. NUC230/240AE: Supported 8 KB LDROM (4 KB in previous version)
5. Mini58: Supported SPROM programming.
6. Mini58: Supported 2.5 KB LDROM (2 KB in previous version).
7. Mini58: Fixed chip erase function in security lock mode.
8. Modified the Data Flash configuration method.
9. Displayed user defined part number (from UCID) for NUC100 series.
10. Supported Mini55LDE and Mini55ZDE for NuMicro M0 series.
11. NUC100, M051: Supported to keep previous Config0[10] value after whole chip erase.
12. Renamed NUC123BE to NUC123AE.
13. NUC505: Changed offline download mode from ICP to SWD.

Revision 1.29.6425 (Released 2015-03-27)

1. Improved user interface to be resizable and scrollable.
2. Disabled Watchdog while programming target Flash to avoid failure caused by Watchdog reset.
3. Supported not to automatically read Flash after configuration page update and first connection to avoid reading large amounts of data.
4. Replaced ICE clock 16 MHz with 12 MHz for compatibility issue.
5. Added part number: NUC220LE3AE.
6. Supported M0519, NM1320 and Mini58 for NuMicro M0 series.
7. Provided an option to install Bulk USB driver when Nu-Link driver installation completed.

Revision 1.28.6386 (Released 2015-01-14)

1. Supported USB Bulk mode which can improve downloading and programming speed on Win7.
2. Added part number: NUC120LD2DE.
3. Supported NUC505 internal/external SPI flash option.
4. Supported NUC029 for NuMicro M0 series.
5. Fixed Configure Setting dialog GUI for Nano102/112 series.

Revision 1.27.6340 (Released 2014-09-29)

1. Supported NUC505 for NuMicro M4 series.
2. Supported ISD9100 and ISD9300 for ARM based Audio series.
3. Supported N571 and N572 for NuVoice series.
4. Added part numbers: M4LEDRG6AE, M4LEDRE6AE, M4LEDLG6AE, M4LEDLE6AE.

5. Added part number: NUC100VE3DE.
6. Updated Chapter 5, 6, and 8 in the ICP Programming Tool User Manual.

Revision 1.26.6314 (Released 2014-07-21)

1. Supported M0518 for NuMicro M0 series.
2. Added M452 and M453 part number for M451 series.

Revision 1.25.6287 (Released 2014-05-22)

1. Supported NUC131 for NuMicro M0 series.
2. Supported M451 for NuMicro M4 series.
3. Supported ISD9300 for ISD series.
4. Supported one computer can be connected to 10 Nu-Link devices simultaneously.
5. Renamed the part number MT530 to NM1530.

Revision 1.24.6211 (Released 2014-01-16)

1. Supported Nano112AN and M058SFAN for NuMicro M0 series.

Revision 1.23.6103 (Released 2013-10-25)

1. Supported M051DN, M051DE, Mini51DE, NUC100EN, NUC200AE, MT500BE for NuMicro M0 series.
2. Supported NUC442/472 for NuMicro M4 series.
3. Supported [Nu-Link-MP] to beep three times when being downloaded successfully and display the part number on LCD.

Revision 1.22.6040 (Released 2013-07-09)

1. Supported NUC103 BN, M05x DN and AU9100 series.
2. Added the new parts: NANO120ZD2AN, NANO120SD3AN and NANO120ZC2AN.
3. Created new config dialogs for NUC102, M058S and NANO100 BN.
4. Provided re-connect function after writing config0/1, except batch mode.
5. Enabled config setting menu options when chip is not connected.
6. Supported specific flash programming (LDROM, APROM, DataFlash and configuration area) in Offline mode.

Revision 1.21.5905 (Released 2012-12-27)

1. Updated rules of automatically version check mechanism.

Revision 1.20.5881 (Released 2012-12-19)

1. Fixed the import function bug.
2. Modified the part number information to NUC100 DN series.
3. Disabled the Nu-Link-Pro IO Voltage (2.5V and 5.0V) settings in NANO100 BN series.
4. Added MINI51 BN series config settings dialog.
5. Modified the flash address of NANO100 BN series.

Revision 1.19.5786 (Released 2012-10-24)

1. Supported NUC100 DN, NUC123, NUC200, NANO100 BN, MT500, MINI51 BN and M051 CN series.
2. Integrated some message boxes to reduce operation flow.
3. Updated the MINI51 config0 dialog.

Revision 1.18.5320 (Released 2011-11-17)

1. Supported to show ID, UID and UCID.
2. Supported to erase M051 series when it is locked.
3. Supported to export an all-in-one project with or without encryption.

Revision 1.17.5218 (Released 2011-08-11)

1. Supported NANO100 and MINI51 series.
2. Fixed image errors in traditional Chinese.
3. Supported to show RAM size of target chip.
4. Updated to not to show firmware update dialog if Nu-Link firmware is compatible.
5. Supported to select multiple Nu-Links.
6. Supported auto-frequency on SWD (512K~4 MHz)
7. Improved security of offline download:
 - a. Forbid reading SPI data without correct password.
 - b. Write configuration area before other data for safety in offline downloading.
 - c. Encoding downloading data on SWD in offline mode.
 - d. Force unlocked Nu-Link to update configuration of its own.
 - e. Encrypt SPI data by data flash
 - f. Use password exchange algorithm to enhance security.
8. Supported Auto-program mode for offline download.
9. Supported statistics of offline download.
10. Supported to limit the count of programming for offline download.
11. Supported to write serial number.
12. Fixed a bug to change I/O voltage immediately after setting options.

Revision 1.05.5008 (Released 2011-05-04)

1. Supported NUC122, M051 BN and NUC100 CN series.
1. Supported to adjust target power by Nu-Link Pro.
2. Fixed a bug that the hex viewer didn't show updated data.
3. Fixed a bug to support random byte write when writing size/4 is not equal to 0.
4. Changed "external 12 MHz crystal clock" to "4-24 MHz".
5. Supported LED indication for USB/Target power.
6. Added settings for target power and I/O voltage.

Revision 1.03.4228 (Released 2010-12-08)

1. Supported NUC122 series.
2. Fixed a bug to avoid crash problem when network is disconnected.
3. Supported offline download mode via data flash.
4. Added compare function with file data.

5. Supported to dump error information.
6. Fixed a bug to drive target chip to run when connected.
7. Added reset and run program in target chip after programming.
8. Renamed "ICP Tool" to "NuMicro ICP Programming Tool".
9. Fixed a bug to update locked chip in offline mode.
10. Supported to check update from network.
11. Supported SPI flash.
12. Removed some message boxes in batch program mode.
13. Supported ICP project file.

Revision 1.02.3814 (Released 2010-04-20)

1. Primary release version.

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